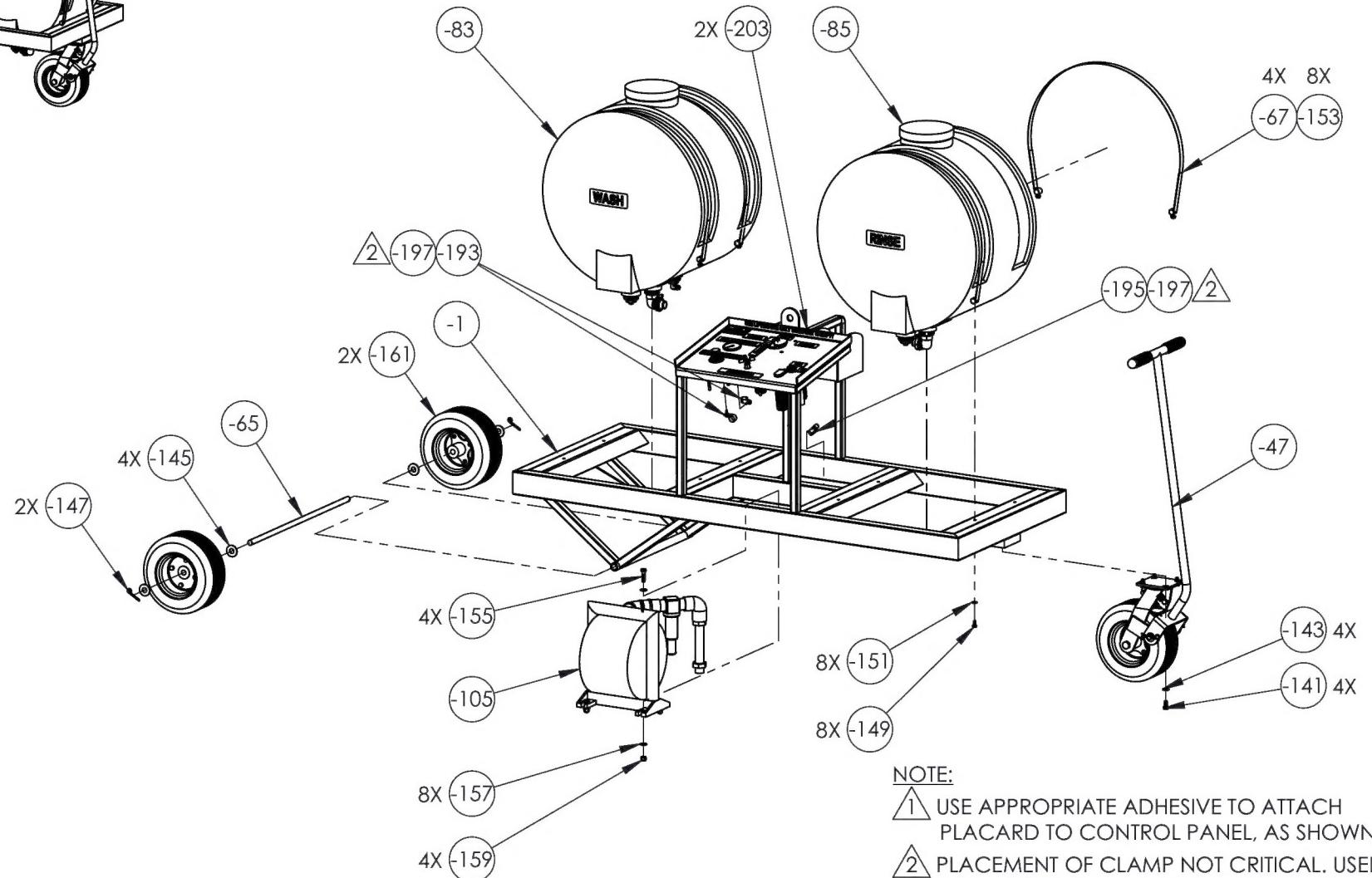
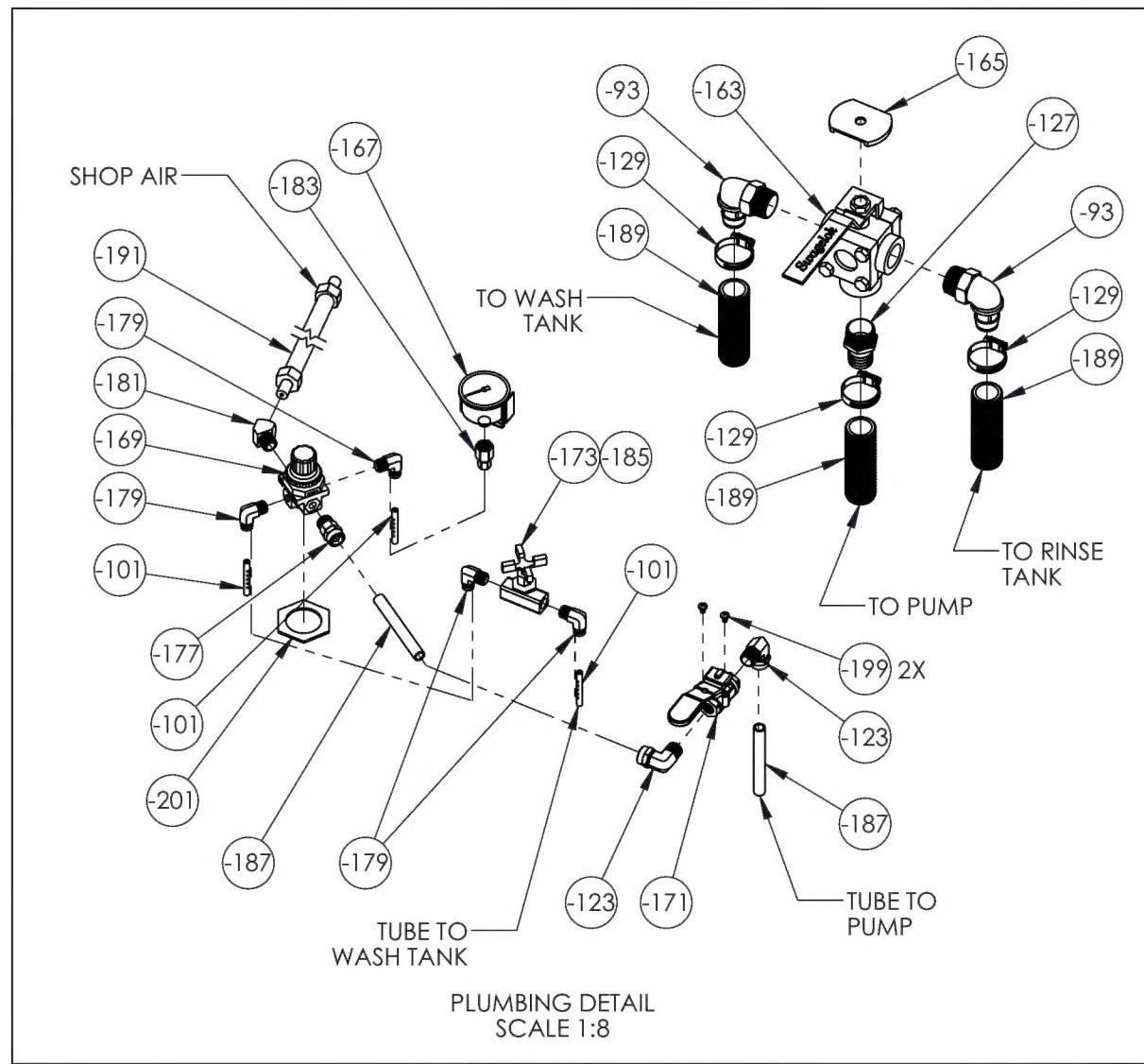
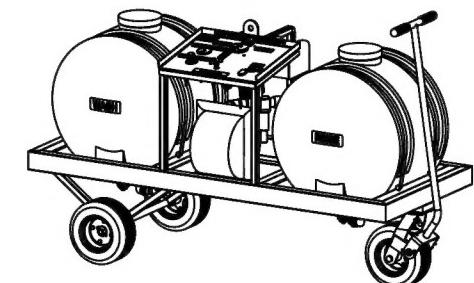
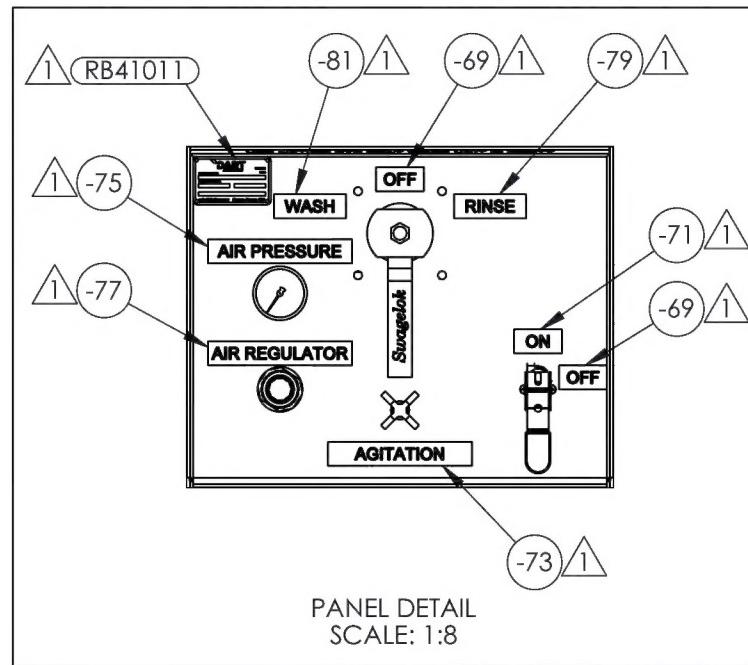


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TITLE		REV
3000 WASH SYSTEM		3
DWG NO.		
MATL	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
HEAT	XXX ± .005	FRACTIONS ± 1/8
TREAT	XX ± .01	ANGLES ± 5°
FINISH	X ± .1	SURFACES = 125
SPEC	✓	
DRAWN BY:	DUERFELDT	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
CHECKED:	CLOUGH	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
OPPS APPR:	ANDERSON	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
QA APPR:	LINDSAY	USED ON MODEL
APPROVED:	GILBERT	
SCALE	1:20	DATE 10/22/2014
		SHEET 1 OF 53

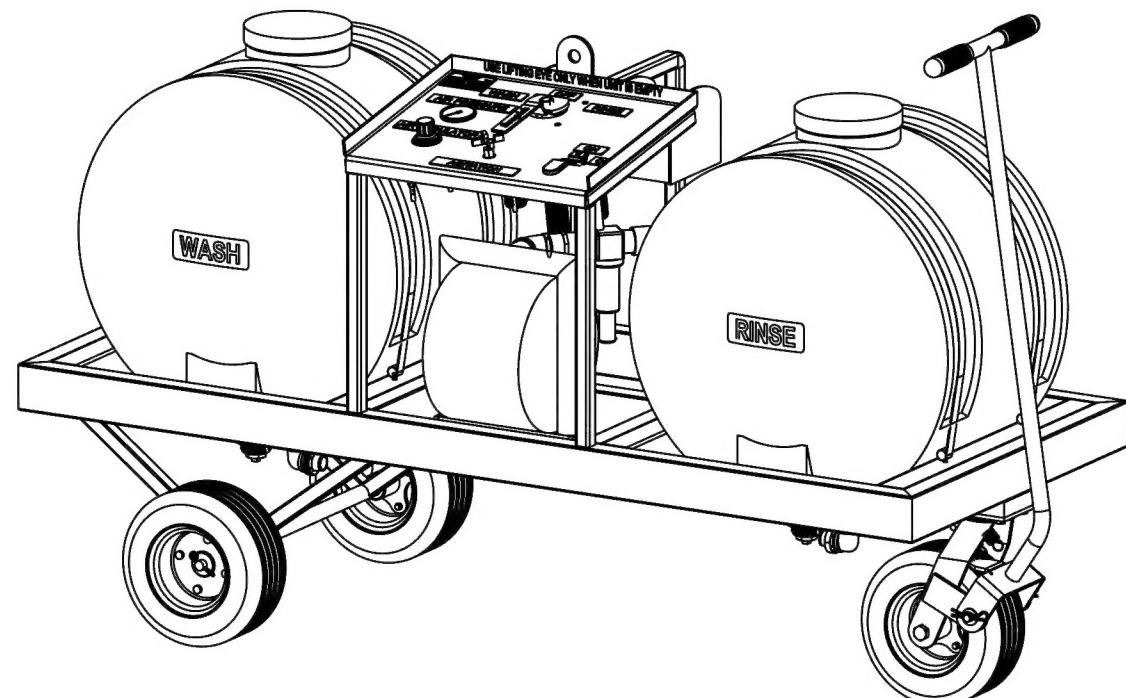
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REVISIONS									
REV	ECR	DESCRIPTION			DATE	INITIAL	APPROVED		
3	16-0144	-123 ADDED QTY 2 TO BOM. CH'D B/O REF WAS #50915K726 IS #5053K67. -125 DELETED. -129 CH'D B/O REF WAS #6541K57 IS #5574K16.			9/8/2016	DPD	SM		

-105 QTY	-85 QTY	-83 QTY	-59 QTY	-49 QTY	-47 QTY	-1 QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.
					X	-1		1		FRAME WELDMENT			4 & 5
						2		-3		SIDE TUBE	STEEL TUBE		6
						2		-5		END TUBE	STEEL TUBE		7
						2		-7		MIDDLE TUBE	STEEL TUBE		8
						1		-9		CENTER TUBE	STEEL TUBE		9
						4		-11		CUTTER PLATE	A36/1018/1020 HR		10
						1		-13		AXLE TUBE	STEEL TUBE		11
						4		-15		AXLE CROSS BRACE	STEEL TUBE		12
						1		-17		OUTSIDE UPRIGHT	STEEL TUBE		13
						1		-19		TOP HORIZONTAL BAR	STEEL TUBE		14
						1		-21		MIDDLE HORIZONTAL BRACE	STEEL TUBE		15
						2		-23		RIGHT UPRIGHT	STEEL TUBE		16
						1		-25		MIDDLE UPRIGHT	STEEL TUBE		17
						4		-27		RETAINER, HOSE REEL	A36/1018/1020 HR		18
						2		-29		HOSE REEL	STEEL TUBE		19
						1		-31		LIFTING EYE	1018/1020 CR		20
						2		-33		GUSSET	1018/1020 CR		21
						1		-35		CASTER MOUNT	1018/1020 CR		22
						2		-37		BRACE	A36/1018/1020 HR		23
						1		-39		CONTROL PANEL	A36/1018/1020 HR		24
						1		-41		CENTER PLATE	1018/1020 CR		25
						2		-43		FRONT/BACK PANEL SUPPORT	STEEL TUBE		26
						2		-45		SIDE PANEL SUPPORT	STEEL TUBE		27
					X		-47	1		STEERING ASSEMBLY			28
					X	1		-49		HANDLE WELDMENT			29
						1		-51		HANDLE MOUNT	1018/1020 CR		30
						1		-53		HANDLE	STEEL TUBE		31
						1		-55		BRAKE	1018/1020 CR		32
						1		-57		HANDLE UPRIGHT	STEEL TUBE		33
					X	1	-59			CASTER WELDMENT			34
						1		-61		SPRING RETAINER	1018/1020 CR		35
						2		-63		CASTER HANDLE MOUNT	1018/1020 CR		36
							-65	1		AXLE	303/304		37
							-67	4		TANK BAND	S.S.		38
							-69	2		PLACARD OFF	PLASTIC		39
							-71	1		PLACARD ON	PLASTIC		40
							-73	1		PLACARD AGITATION	PLASTIC		41
							-75	1		PLACARD AIR PRESSURE	PLASTIC		42
							-77	1		PLACARD AIR REGULATOR	PLASTIC		43
							-79	1		PLACARD RINSE	PLASTIC		44
							-81	1		PLACARD WASH	PLASTIC		45
					X		-83	1		WASH TANK ASSEMBLY			46
					X		-85	1		RINSE TANK ASSEMBLY			47
						1		-87		30 GALLON TANK	PLASTIC	(NORWESCO 30 GALLON APPLICATOR TANK) MODIFIED	48
						1		-89		30 GALLON TANK	PLASTIC	(NORWESCO 30 GALLON APPLICATOR TANK) MODIFIED	49
						2	3	-91		BULKHEAD FITTING	PVC	Ø1 NPT FEMALE X FEMALE X 2-7/8 (MCMASTER-CARR #36895K163)	46 & 47
						1	1	-93	2	90° ELBOW	NYLON	Ø1 TUBE X Ø NPT, 90° (MCMASTER-CARR #2974K175)	1, 46, 47
						1	3	-95		REDUCER	BRASS	Ø1 NPT MALE X Ø1/4 NPT FEMALE (MCMASTER-CARR #4429K461)	46 & 47
						1	1	-97		SQUARE HEAD PLUG	BRASS	Ø1/4 NPT (MCMASTER-CARR #4429K312)	46 & 47
						1		-99		MALE BRANCH TEE	BRASS	Ø1/4 TUBE X Ø1/4 TUBE X Ø1/4 NPT (PACIFIC RUBBER #PAR 72PC-4-4)	46
					A/R		-101	A/R	Ø1/4 TUBING	POLYETHYLENE	Ø1/4 X 10 FT (PACIFIC RUBBER #KUR1/4POLY)	1 & 46	
					X		-105	1		PUMP ASSEMBLY			50
							B/O	-107		DIAPHRAGM PUMP		(VERSA-MATIC #E1AP4F449C)	50
							B/O	-109		NIPPLE Ø1		Ø1 PIPE SIZE 1-1/2 (MCMASTER-CARR #44615K416)	50
							B/O	-111		45° ELBOW	BRASS	Ø1 PIPE SIZE, 45° (MCMASTER-CARR #4429K265)	50
							B/O	-113		FEMALE ADAPTER SLIP X FIPT	PVC	Ø1 PIPE SIZE, SLIP X FIPT (MCMASTER-CARR #4880K83)	50
							B/O	-115		Ø1 PVC PIPE	PVC	Ø1" X 2, SCH 40 (JERRY'S #140PVC5)	50
							B/O	-117		FILTER		(RUSCO #1-200SS-F)	50
							B/O	-119		ELBOW	PVC	Ø1 PVC 90° ELBOW SLIP X FIPT (MCMASTER-CARR #4596K669)	50
							B/O	-121		BLUE HOSE	PVC	15' GYIPLIOVIC 3/4 BLUE 250 W/ 2 NWHMPT 12-12 BARB TO 3/4 (PACIFIC RUBBER)	51
							B/O	-123	2	TUBE FITTING ELBOW	BRASS	Ø1/2 TUBE X 3/8 NPT, 90° (MCMASTER-CARR #5053K67)	1
							B/O	-127	1	BARBED TUBE FITTING	NYLON	Ø1 TUBE X Ø1 NPT (MCMASTER-CARR #5372K135)	1 & 50
							B/O	-129	3	HOSE CLAMP	S.S.	Ø1 - Ø1-5/8 I.D. (MCMASTER-CARR #5574K16)	1, 46, 47, 50

BOM CONTINUED ON NEXT PAGE.

TITLE		DART AEROSPACE
3000 WASH SYSTEM		
DWG NO.	HT-3000-CW	REV 3
MAT'L		
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		
.XXX ± .005 FRACTIONS ± 1/8		
.XX ± .01 ANGLES ± 5°		
X ± .1 SURFACES = 125		
SPEC		
1. BREAK ALL SHARP EDGES		
2. DIMENSIONAL LIMITS APPLY AFTER PLATING		
3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009		
DRAWN BY:	DUERFELDT	
CHECKED:	CLOUGH	
OPPS APPR:	ANDERSON	
QA APPR:	LINDSAY	
APPROVED:	GILBERT	
SCALE	1:12	DATE 10/22/2014
SHEET 2 OF 53		

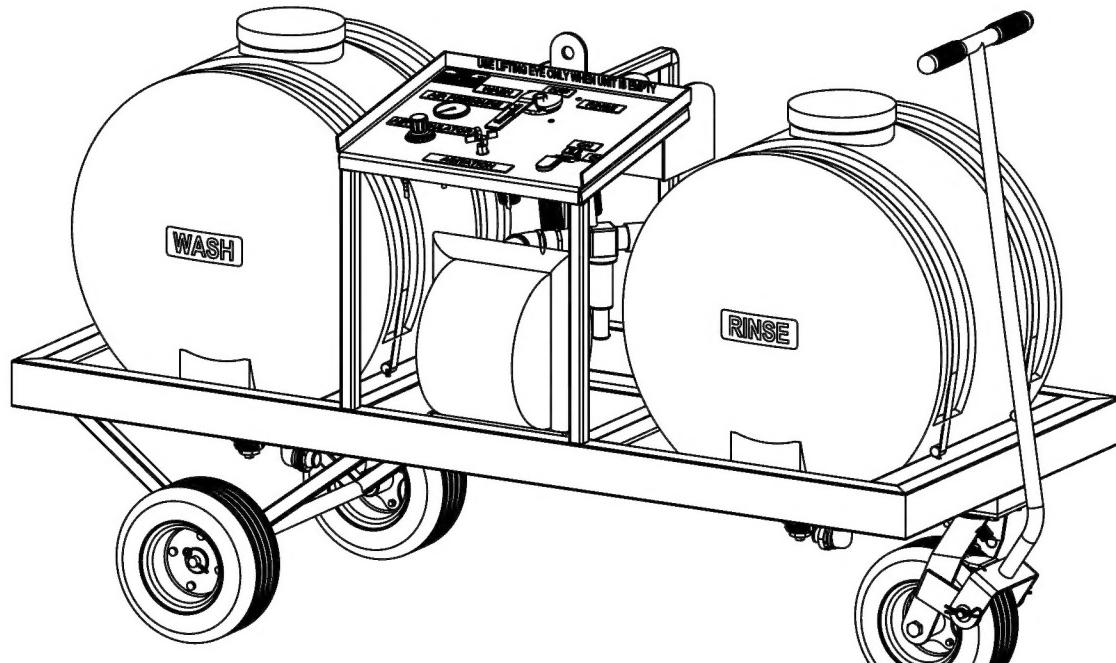


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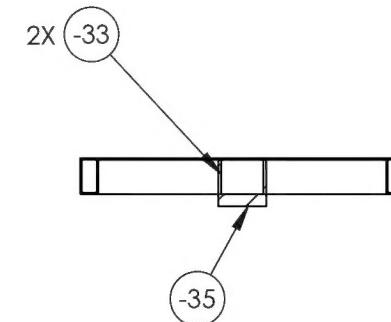
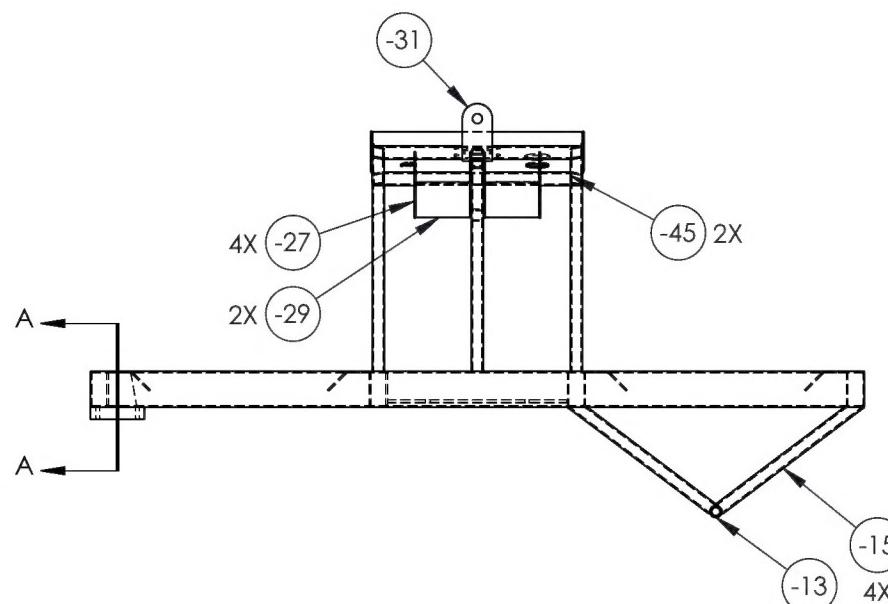
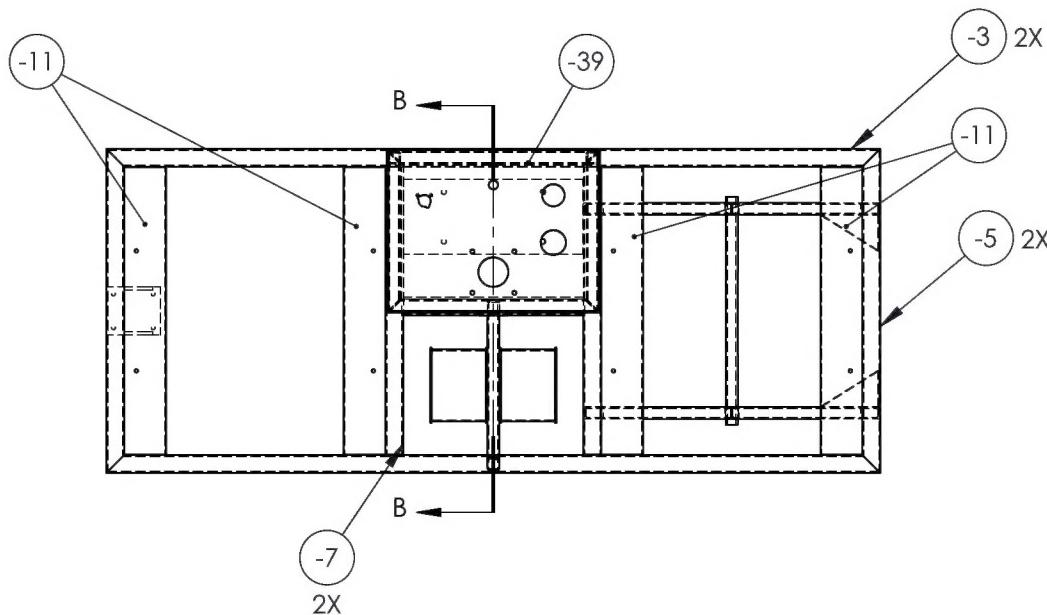
REV			REVISIONS		
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
3	16-0144	-161 CH'D B/O REF WAS #2G331 IS #1NWU5. -165 CH'D B/O REF WAS #MS-PMK-S65 IS #MS-PMK-65. -169 CH/D B/O REF WAS (AMFLO #4125A-99) IS AMFLO #4125A-99 (PACIFIC RUBBER). -171 CH'D B/O REF WAS #76-101-01 IS #76-102-01. -175 QTY 2 REPLACED WITH-123. -177 CH'D B/O REF WAS #50915K327 IS #5053K55. -179 CH'D B/O REF WAS #50915K715 IS #5053K62. -201 CH'D B/O REF WAS #4071A-99 IS #AMF4778). -205 ADDED QTY 2 TO ASSY-47.	9/8/2016	DPD	SM

CONTINUED FROM PREVIOUS PAGE.

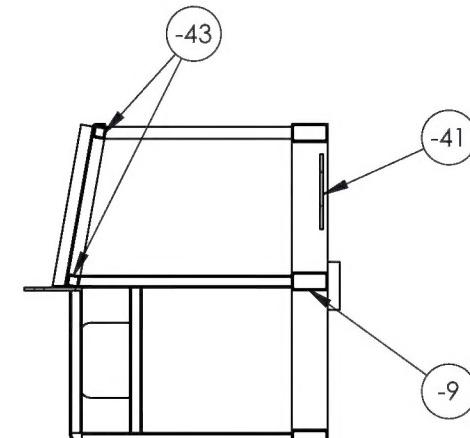
-105 QTY	-85 QTY	-83 QTY	-59 QTY	-49 QTY	-47 QTY	-1 QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.
							1	B/O	-131	CORNER	STEEL	14 GA. X 1 IN. SQ. TUBE (SHARPE PRODUCTS #SQC100)	3
							1	B/O	-133	SWIVEL CASTER		Ø10 X 3-3/4 X 13 (GRAINGER #3G149)	34
							2	B/O	-135	CLEVIS PIN	S.S.	Ø1/2 X 1, 3/4 USABLE (MCMASTER-CARR #92401A703)	28
							4	B/O	-137	WASHER	S.S.	Ø1/2 (MCMASTER-CARR #91950A033)	28
							2	B/O	-139	SPRING	STEEL	Ø.091 WIRE X Ø7/8 O.D. X 3-1/2 (MCMASTER-CARR #9654K226)	28
								B/O	-141	4 CAP SCREW	STEEL	3/8-16 X 3/4 (MCMASTER-CARR #94967A517)	1
								B/O	-143	4 WASHER	STEEL	Ø3/8 (MCMASTER-CARR #97416A127)	1
								B/O	-145	4 WASHER	STEEL	Ø9/16 (MCMASTER-CARR #90108A034)	1
								B/O	-147	2 COTTER PIN	STEEL	Ø5/32 X 1-1/2 (MCMASTER-CARR #98338A493)	1
								B/O	-149	8 CAP SCREW	S.S.	1/4-20 X 5/8 (MCMASTER-CARR #93190A539)	1
								B/O	-151	8 WASHER	S.S.	Ø1/4 (MCMASTER-CARR #91950A029)	1
								B/O	-153	8 DOWEL NUT	STEEL	1/4-20 X .786 (EUGENE FASTENER #JCD 14202010)	1
								B/O	-155	4 CAP SCREW	SS	3/8-16 X 1-3/8 (MCMASTER-CARR #92245A627)	1
								B/O	-157	8 SAE WASHER	S.S.	Ø3/8 (MCMASTER-CARR #91950A031)	1
								B/O	-159	4 LOCKNUT	S.S.	3/8-16 (MCMASTER-CARR #90715A145)	1
								B/O	-161	2 TIRE		Ø10 X 2-1/4 (GRAINGER #1NWU5)	1
								B/O	-163	1 3 WAY BALL VALVE		(SWAGLOK #SS-65XTF16)	1
								B/O	-165	1 PANEL MOUNT KIT	STEEL	(SWAGLOK #MS-PMK-65)	1
								B/O	-167	1 PRESSURE GUAGE		160 PSI (PACIFIC RUBBER #PIC203L-204F)	1
								B/O	-169	1 AIR REGULATOR		AMFLO #4125A-99 (PACIFIC RUBBER)	1
								B/O	-171	1 ON/OFF VALVE	S.S.	(PARAMOUNT SUPPLY #76-102-01)	1
								B/O	-173	1 AGITATION VALVE	STEEL	(MOTION & FLOW CONTROL #MV400S)	1
								B/O	-177	1 STRAIGHT TUBE FITTING	BRASS	Ø1/2 TUBE X 3/8 NPT (MCMASTER-CARR #5053K55)	1
							1	B/O	-179	4 TUBE FITTING ELBOW	BRASS	Ø1/4 TUBE X 1/4 NPT, 90° (MCMASTER-CARR #5053K62)	1 & 46
								B/O	-181	1 45° ELBOW	BRASS	Ø3/8 NPT MALE X Ø3/8 NPT FEMALE, 45° (MCMASTER-CARR #50785K83)	1
								B/O	-183	1 STRAIGHT FEMALE TUBE FITTING	BRASS	Ø1/4 TUBE X Ø1/4 NPT (MCMASTER-CARR #50915K215)	1
								B/O	-185	1 AGITATION VALVE MOUNT KIT	STEEL	(MOTION & FLOW CONTROL #MVK4)	1
								B/O	-187	A/R Ø1/2 TUBING	POLYETHYLENE	Ø1/2 X 5 FT (PACIFIC RUBBER #KUR1/2POLY)	1
								B/O	-189	3 Ø1 HOSE	PVC	BLUE PVC LOW TEMP SUCTION, 10 FT (PACIFIC RUBBER #KURBW100)	1
								B/O	-191	1 GREEN HOSE	PVC	15' GYIPLIOVIC 1/2 GRN W/2 NWHMPT 8-6 (PACIFIC RUBBER)	52
								B/O	-193	2 LOOP CLAMP	STEEL	Ø3/4 X 1/2 (MCMASTER-CARR #3225T46)	1
								B/O	-195	1 LOOP CLAMP	STEEL	Ø1 X 1/2 (MCMASTER-CARR #3225T48)	1
								B/O	-197	3 SELF DRILLING SCREW	STEEL	10-24 X 3/4, #3 DRILL POINT (MCMASTER-CARR #91324A551)	1
								B/O	-199	2 MACHINE SCREW	STEEL	10-24 X 5/16 (MCMASTER-CARR #90272A239)	1
								B/O	-201	1 AIR REGULATOR MOUNT	STEEL	(AMFLO #4778)	1
								B/O	-203	2 DECAL	VINYL	SIGNS NOW	53
								B/O	-205	HANDLE GRIP	VINYL	FITS Ø1 O.D. X 4-1/2, BLACK (MCMASTER-CARR #97045K51)	28
							1	B/O		WASH EMBLEM		HT-500-CWA-010P-70A	46
								B/O		RINSE EMBLEM		HT-500-CWA-010P-70B	47
								B/O	1	DART PLACARD	ALUMINUM	RB41011	1



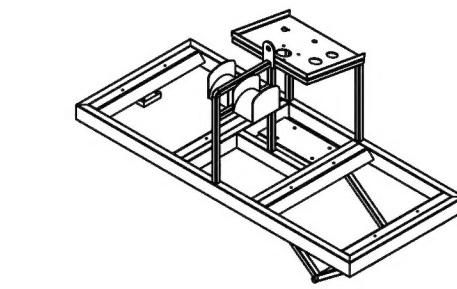
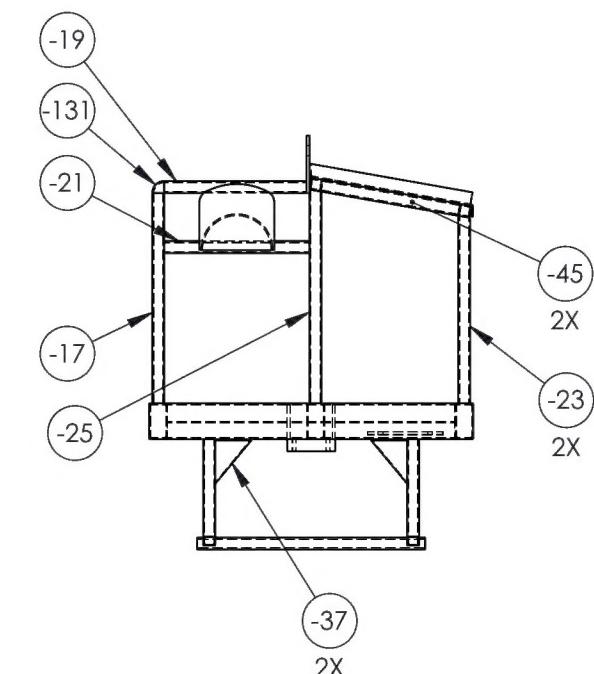
<b>DART</b> AEROSPACE	
3000 WASH SYSTEM	
DWG NO.	HT-3000-CW
REV	3
MAT'L	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
HEAT	.XXX ± .005 FRACTIONS ± 1/8
TREAT	.XX ± .01 ANGLES ± 5°
FINISH	X ± .1 SURFACES = 125
SPEC	✓
1. BREAK ALL SHARP EDGES	
2. DIMENSIONAL LIMITS APPLY	
3. INTERPRET DIM AND TOL PER	
ASME Y14.5M-2009	
DRAWN BY:	DUERFELDT
CHECKED:	CLOUGH
OPPS APPR:	ANDERSON
QA APPR:	LINDSAY
APPROVED:	GILBERT
SCALE	1:12
DATE	10/22/2014
SHEET 3 OF 53	



(1)  
FRAME WELDMENT



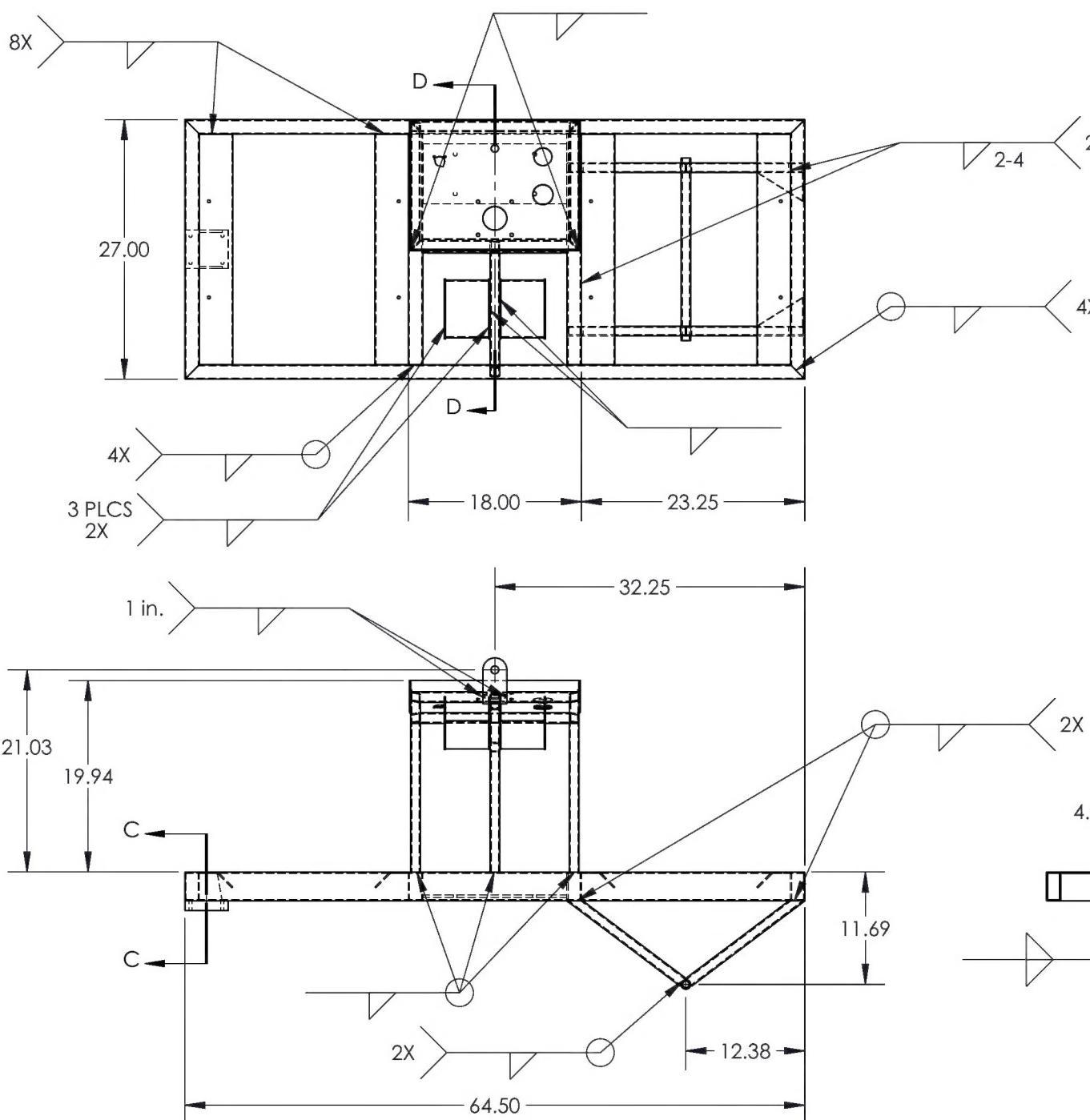
SECTION B-B



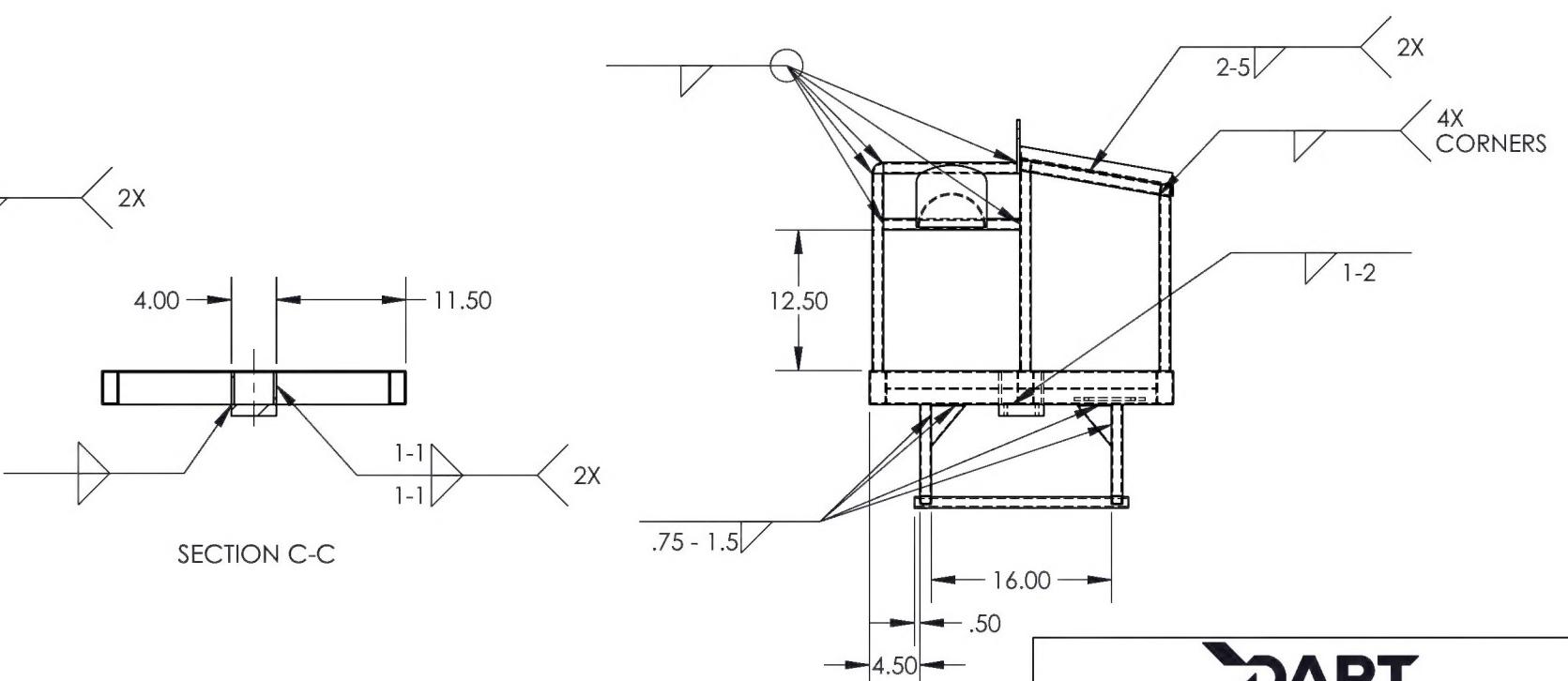
<b>DART</b> <b>AEROSPACE</b>	
TITLE <b>3000 WASH SYSTEM</b>	
DWG NO.	HT-3000-CW-1
REV	3
MATL	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
HEAT	.XXX ± .010 FRACTIONS ± 1/8
TREAT	.XX ± .03 ANGLES ± 1°
FINISH	X ± .1 SURFACES = 125
SPEC	POWDER COAT YELLOW
DRAWN BY:	FED #13538
CHECKED:	DUERFELDT
OPPS APPR:	CLOUGH
QA APPR:	ANDERSON
APPROVED:	LINDSAY
	USED ON MODEL
SCALE	1:16
DATE	10/23/2014
SHEET	4 OF 53

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REVISIONS							
REV	ECR	DESCRIPTION			DATE	INITIAL	APPROVED
3	16-0144	-1 ADDED DIMS 10.88, 12.50.			9/8/2016	DPD	SM



FRAME WFI DMNT



## 3000 WASH SYSTEM

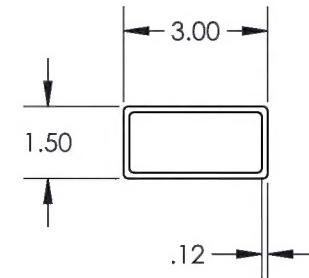
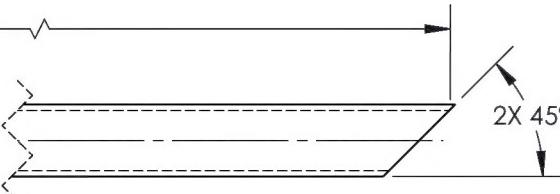
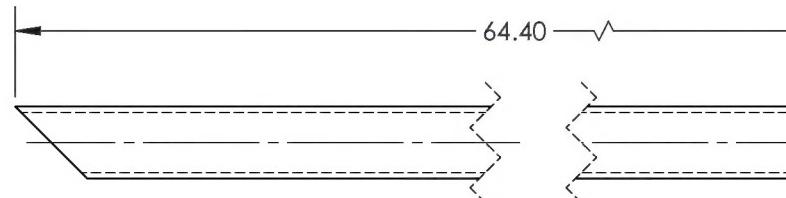
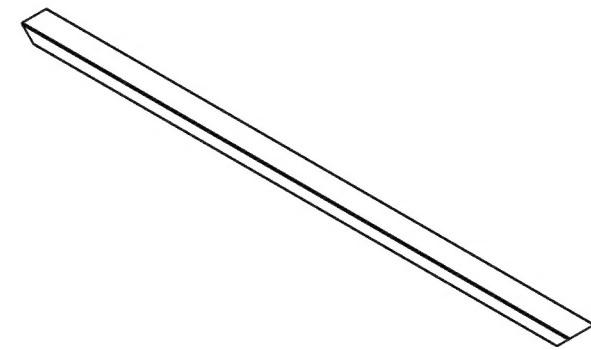
HT-3000-CW-1

EV  
3

MATERIAL		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
WEAT		.000 ± .010 FRACTIONS ± 1/8	
REAT		.000 ± .03 ANGLES ± 1°	
INISH POWDER COAT YELLOW		.000 ± .1 SURFACES = 125/	
SPEC FED #13538			
DRAWN BY: DUERFELDT		1. BREAK ALL SHARP EDGES .015 IN. OR. 015R	
CHECKED: CLOUGH		2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
DPPS APPR: ANDERSON		3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
QA APPR: LINDSAY		USED ON MODEL	
APPROVED: MACKOVJAK			
SCALE	1:16	DATE	10/23/2014
		SHEET 5 OF 53	

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REV	ECR	REVISIONS	DESCRIPTION	DATE	INITIAL	APPROVED
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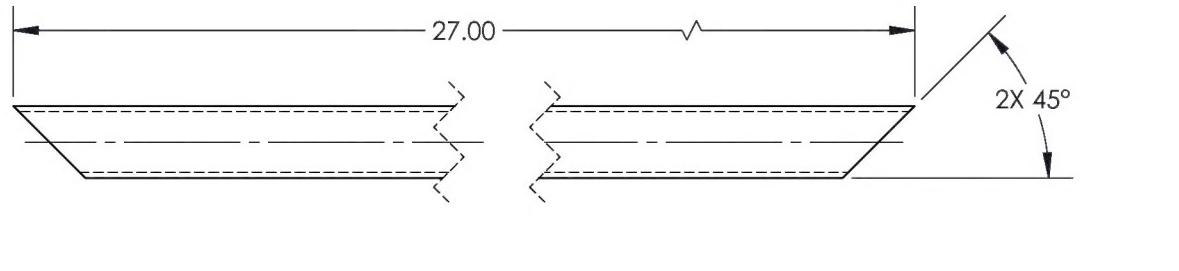
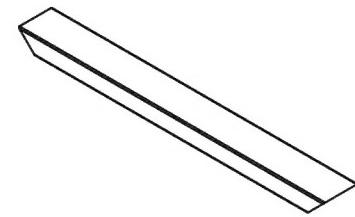


(-3)  
SIDE TUBE

DART AEROSPACE	
TITLE	
3000 WASH SYSTEM	
DWG NO.	HT-3000-CW-3
REV	3
MATERIAL STEEL TUBE	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
HEAT	.XXX ± .010 FRACTIONS ± 1/8
TREAT	.XX ± .03 ANGLES ± 1°
FINISH SEE -1 WELDMENT	X ± .1 SURFACES = 125 ✓
SPEC	
DRAWN BY:	DUERFELDT
CHECKED:	CLOUGH
OPPS APPR:	ANDERSON
QA APPR:	LINDSAY
APPROVED:	MACKOVJAK
USED ON MODEL	
SCALE	1:4
DATE	10/20/2014
SHEET 6 OF 53	

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REV		ECR		DESCRIPTION		DATE	INITIAL	APPROVED



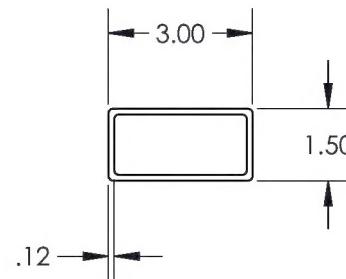
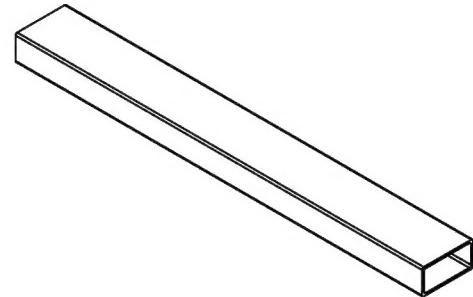
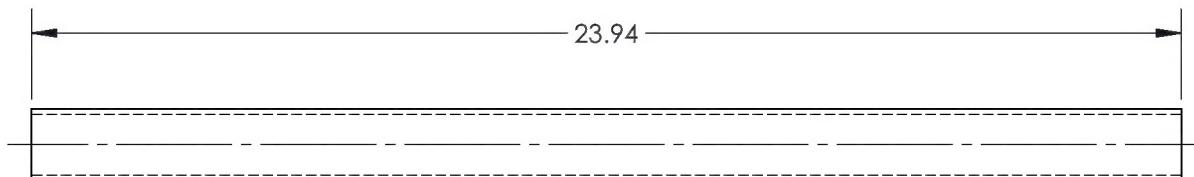
(-5)

END TUBE

<b>DART</b> AEROSPACE	
TITLE	
3000 WASH SYSTEM	
DWG NO.	
HT-3000-CW-5	
REV 3	
MAT'L STEEL TUBE UNLESS OTHERWISE SPECIFIED HEAT DIMENSIONS ARE IN INCHES TREAT FRACTIONS $\pm 1/8$ FINISH SEE -1 WELDMENT ANGLES $\pm 1^\circ$ SPEC SURFACES = 125	
.XXX $\pm .010$ .XX $\pm .03$ X $\pm .1$	
DRAWN BY: DUERFELDT CHECKED: CLOUGH OPPS APPR: ANDERSON QA APPR: LINDSAY APPROVED: MACKOVJAK	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
USED ON MODEL	
SCALE 1:4	DATE 10/20/2014
SHEET 7 OF 53	

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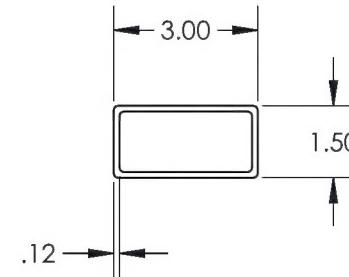
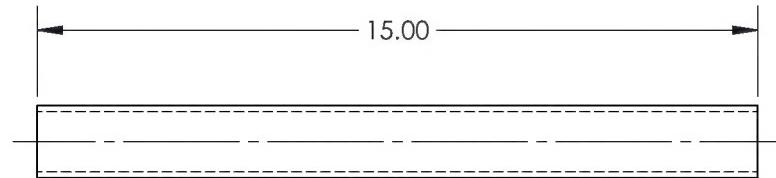
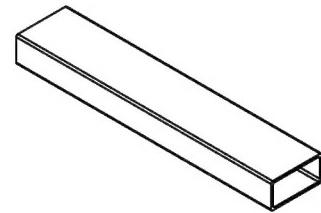
MIDDLE TUBE

(-7)

<b>DART</b> AEROSPACE	
TITLE	
3000 WASH SYSTEM	
DWG NO.	
HT-3000-CW-7	
REV 3	
MATERIAL STEEL TUBE	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
HEAT .XXX ± .010 FRACTIONS ± 1/8	
TREAT .XX ± .03 ANGLES ± 1°	
FINISH SEE -1 WELDMENT .X ± .1 SURFACES = 125 ✓	
SPEC	
DRAWN BY:	DUERFELDT
CHECKED:	CLOUGH
OPPS APPR:	ANDERSON
QA APPR:	LINDSAY
APPROVED:	MACKOVJAK
USED ON MODEL	
SCALE	1:4
DATE	10/20/2014
SHEET 8 OF 53	

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REV	ECR	REVISIONS	DESCRIPTION	DATE	INITIAL	APPROVED
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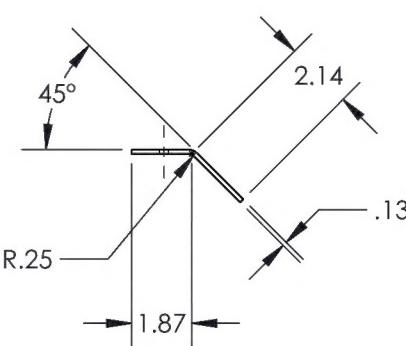
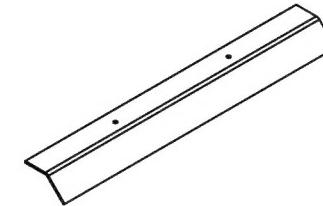
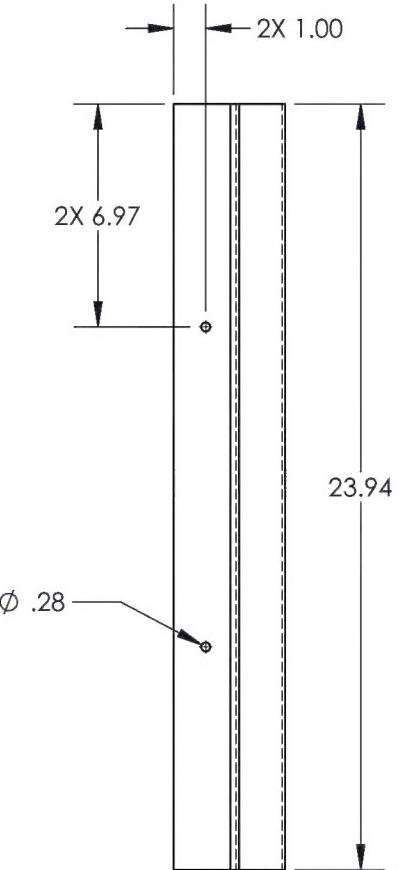
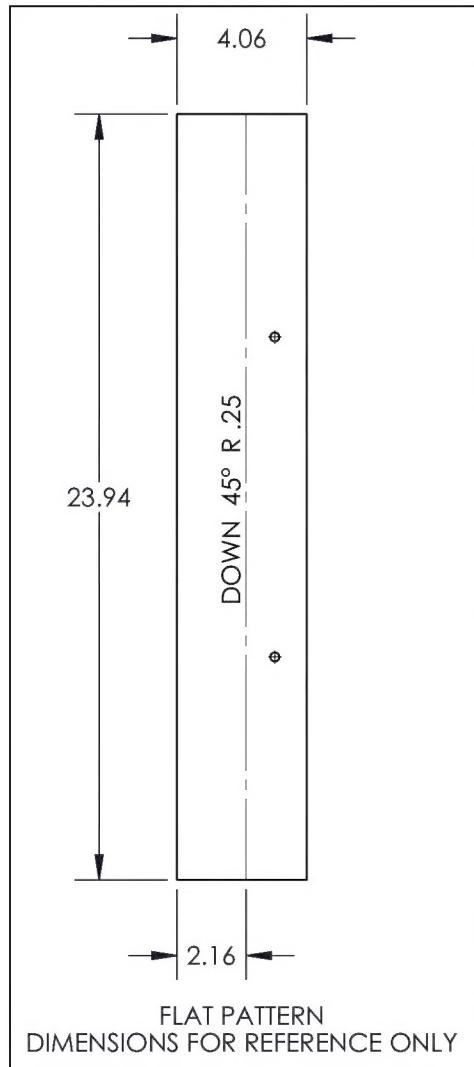
CENTER TUBE

(-9)

TITLE	
3000 WASH SYSTEM	
DWG NO.	
HT-3000-CW-9	
REV	3
MATERIAL STEEL TUBE	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
HEAT	.XXX ± .010 FRACTIONS ± 1/8
TREAT	.XX ± .03 ANGLES ± 1°
FINISH SEE -1 WELDMENT	X ± .1 SURFACES = 125 ✓
SPEC	
DRAWN BY:	DUERFELDT
CHECKED:	CLOUGH
OPPS APPR:	ANDERSON
QA APPR:	LINDSAY
APPROVED:	MACKOVJAK
USED ON MODEL	
SCALE	1:4
DATE	10/20/2014
SHEET 9 OF 53	

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REV			ECR			DESCRIPTION			DATE			INITIAL			APPROVED		
3	16-0144		-11 CH'D MAT'L WAS A36 IS A36/1018/1020 HR.						9/8/2016			DPD			SM		



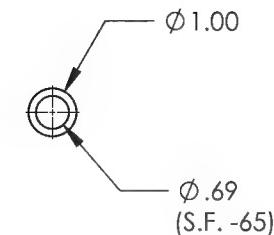
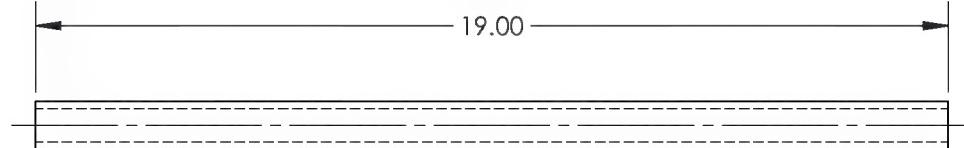
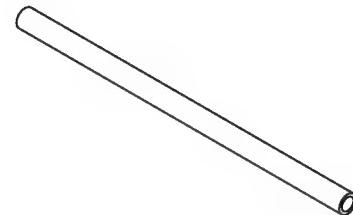
OUTTER PLATE

(-11)

<b>DART</b> AEROSPACE	
TITLE	
3000 WASH SYSTEM	
DWG NO.	
HT-3000-CW-11	
REV 3	
MAT'L A36/1018/1020 HR	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
.XXX ± .010 FRACTIONS ± 1/8	
.XX ± .03 ANGLES ± 1°	
.X ± .1 SURFACES = 125 ✓	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
DRAWN BY: DUERFELDT	
CHECKED: CLOUGH	
OPPS APPR: ANDERSON	
QA APPR: LINDSAY	
APPROVED: MACKOVJAK	
USED ON MODEL	
SCALE 1:6	DATE 10/20/2014
SHEET 10 OF 53	

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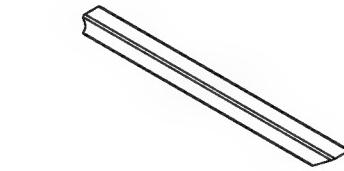
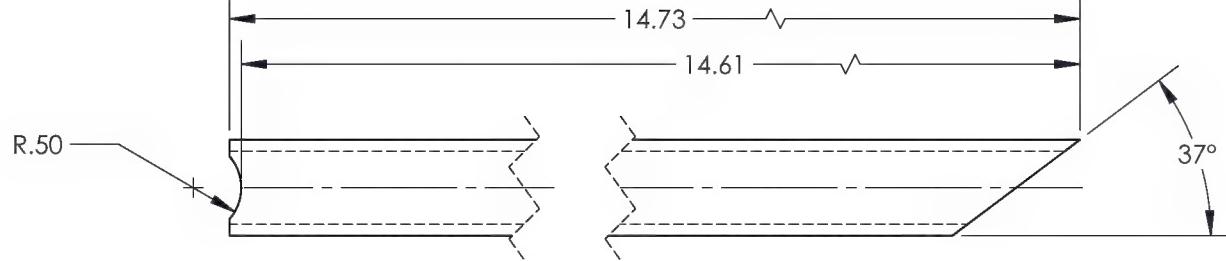
-13

AXLE TUBE

DART AEROSPACE	
TITLE	
3000 WASH SYSTEM	
DWG NO.	HT-3000-CW-13
REV	3
MATERIAL STEEL TUBE	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
HEAT	.XXX ± .010 FRACTIONS ± 1/8
TREAT	.XX ± .03 ANGLES ± 1°
FINISH SEE -1 WELDMENT	.X ± .1 SURFACES = 125 ✓
SPEC	
DRAWN BY:	DUERFELDT
CHECKED:	CLOUGH
OPPS APPR:	ANDERSON
QA APPR:	LINDSAY
APPROVED:	MACKOVJAK
USED ON MODEL	
SCALE	1:4
DATE	10/20/2014
SHEET 11 OF 53	

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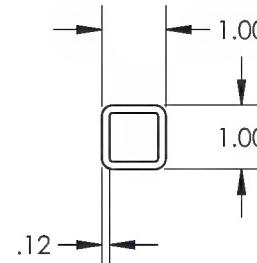
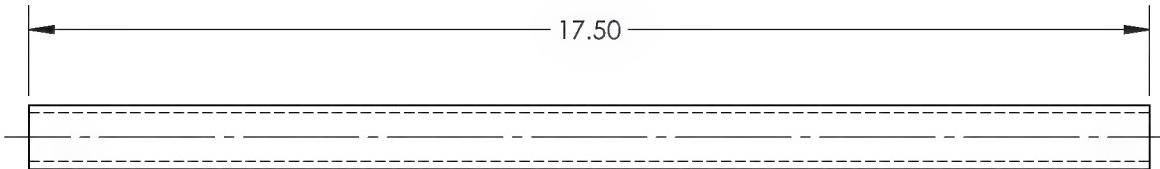
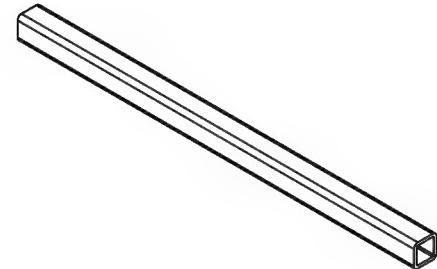
DART AEROSPACE	
TITLE	
3000 WASH SYSTEM	
DWG NO.	HT-3000-CW-15
REV	3
MATERIAL STEEL TUBE	
HEAT TREAT	
FINISH SEE -1 WELDMENT	
SPEC	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
.XXX ± .010 FRACTIONS ± 1/8	
.XX ± .03 ANGLES ± 1°	
X ± .1 SURFACES = 125 ✓	
DRAWN BY:	DUERFELDT
CHECKED:	CLOUGH
OPPS APPR:	ANDERSON
QA APPR:	LINDSAY
APPROVED:	MACKOVJAK
USED ON MODEL	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
SCALE	1:2
DATE	10/20/2014
SHEET 12 OF 53	

(-15)

AXLE CROSS BRACE

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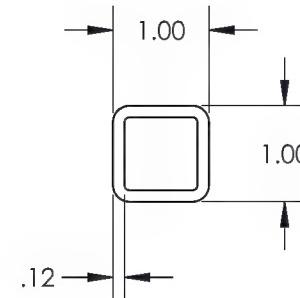
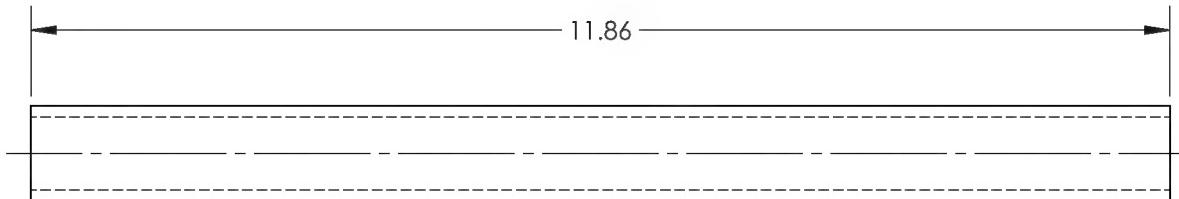
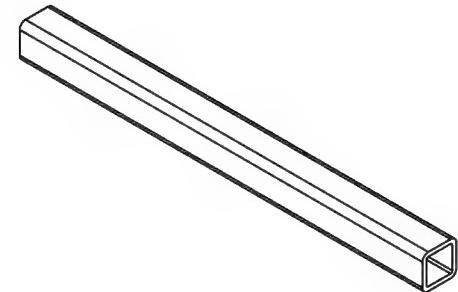
<b>DART</b> AEROSPACE	
TITLE	
3000 WASH SYSTEM	
DWG NO.	HT-3000-CW-17
REV	3
MATERIAL STEEL TUBE	
HEAT TREAT	
FINISH SEE -1 WELDMENT	
SPEC	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
.XXX ± .010 FRACTIONS ± 1/8	
.XX ± .03 ANGLES ± 1°	
.X ± .1 SURFACES = 125 ✓	
DRAWN BY:	DUERFELDT
CHECKED:	CLOUGH
OPPS APPR:	ANDERSON
QA APPR:	LINDSAY
APPROVED:	MACKOVJAK
USED ON MODEL	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
SCALE	1:3
DATE	10/20/2014
SHEET 13 OF 53	

(-17)

OUTSIDE UPRIGHT

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				DESCRIPTION		DATE
				INITIAL	APPROVED	



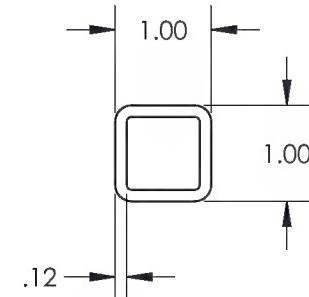
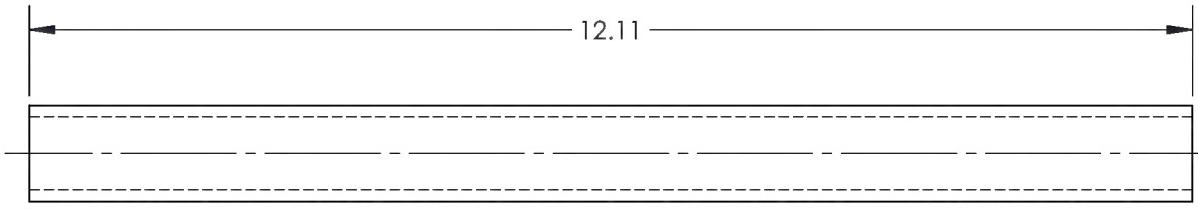
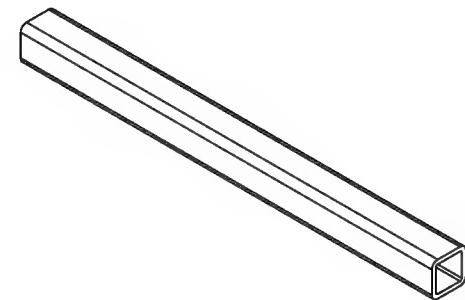
<b>DART</b> AEROSPACE	
TITLE	
3000 WASH SYSTEM	
DWG NO.	HT-3000-CW-19
REV	3
MATERIAL STEEL TUBE	
HEAT	
TREAT	
FINISH SEE -1 WELDMENT	
SPEC	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
.XXX ± .010 FRACTIONS ± 1/8	
.XX ± .03 ANGLES ± 1°	
.X ± .1 SURFACES = 125 ✓	
DRAWN BY:	DUERFELDT
CHECKED:	CLOUGH
OPPS APPR:	ANDERSON
QA APPR:	LINDSAY
APPROVED:	MACKOVJAK
USED ON MODEL	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
SCALE	1:2
DATE	10/20/2014
SHEET 14 OF 53	

(-19)

TOP HORIZONTAL BAR

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REV	ECR	REVISIONS	DESCRIPTION	DATE	INITIAL	APPROVED
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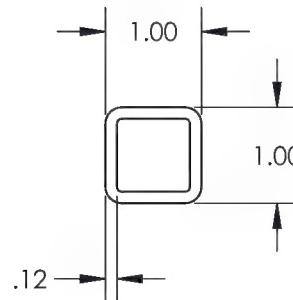
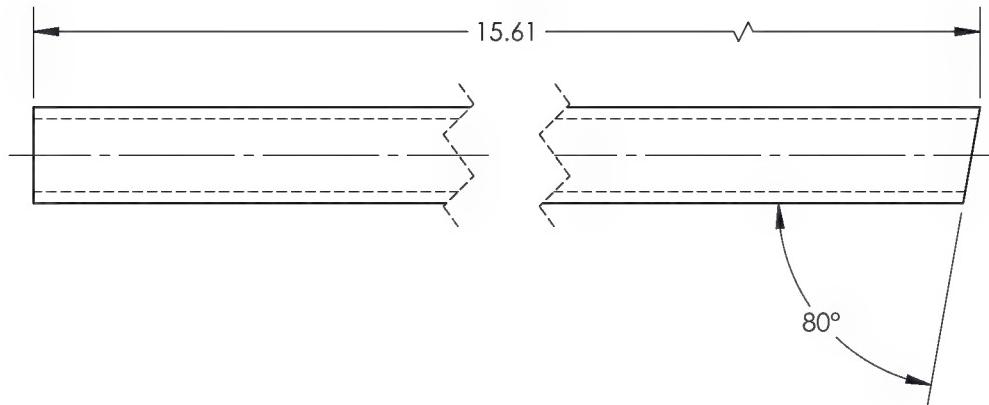
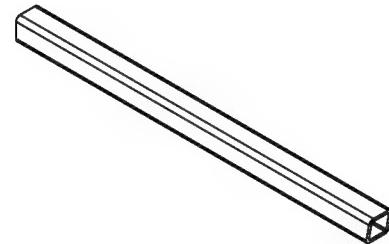
<b>DART</b> AEROSPACE	
TITLE	
3000 WASH SYSTEM	
DWG NO.	HT-3000-CW-21
REV	3
MATERIAL STEEL TUBE UNLESS OTHERWISE SPECIFIED	
HEAT DIMENSIONS ARE IN INCHES	
TREAT FRACTIONS $\pm .010$	
FINISH SEE -1 WELDMENT ANGLES $\pm 1^\circ$	
SPEC SURFACES = 125	
.XXX $\pm .010$	
.XX $\pm .03$	
.X $\pm .1$	
.015 x 45° OR .015R	
1. BREAK ALL SHARP EDGES	
2. DIMENSIONAL LIMITS APPLY	
3. INTERPRET DIM AND TOL PER	
ASME Y14.5M-2009	
DRAWN BY:	DUERFELDT
CHECKED:	CLOUGH
OPPS APPR:	ANDERSON
QA APPR:	LINDSAY
APPROVED:	MACKOVJAK
USED ON MODEL	
SCALE	1:2
DATE	10/20/2014
SHEET 15 OF 53	

(-21)

MIDDLE HORIZONTAL BRACE

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REV	ECR	REVISIONS	DESCRIPTION	DATE	INITIAL	APPROVED
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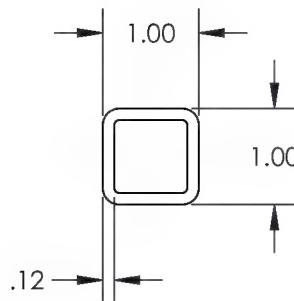
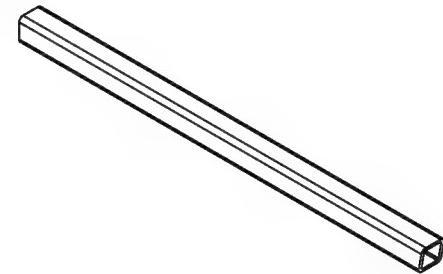
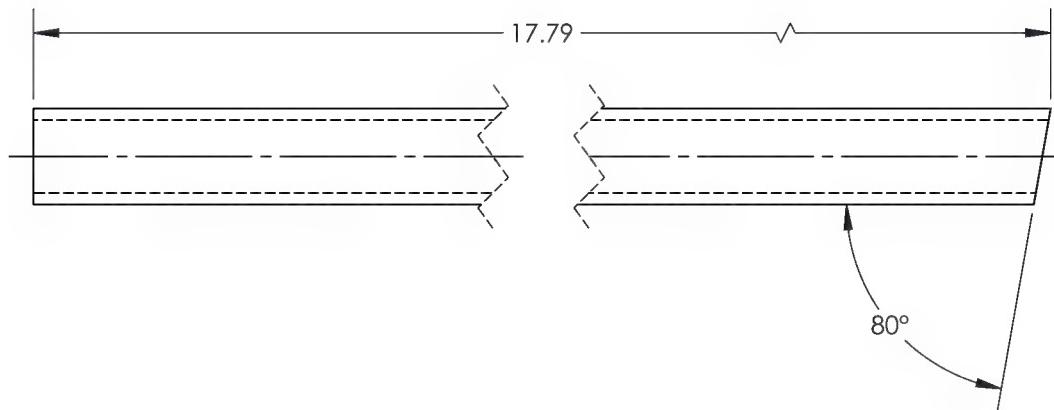
RIGHT UPRIGHT

(23)

DART AEROSPACE	
TITLE	
3000 WASH SYSTEM	
DWG NO.	HT-3000-CW-23
REV	3
MATERIAL STEEL TUBE	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
HEAT	.XXX ± .010 FRACTIONS ± 1/8
TREAT	.XX ± .03 ANGLES ± 1°
FINISH SEE -1 WELDMENT	X ± .1 SURFACES = 125 ✓
SPEC	
DRAWN BY:	DUERFELDT
CHECKED:	CLOUGH
OPPS APPR:	ANDERSON
QA APPR:	LINDSAY
APPROVED:	MACKOVJAK
USED ON MODEL	
SCALE	1:2
DATE	10/20/2014
SHEET 16 OF 53	

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REV	ECR	REVISIONS	DESCRIPTION	DATE	INITIAL	APPROVED
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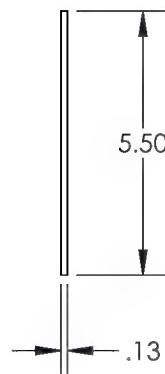
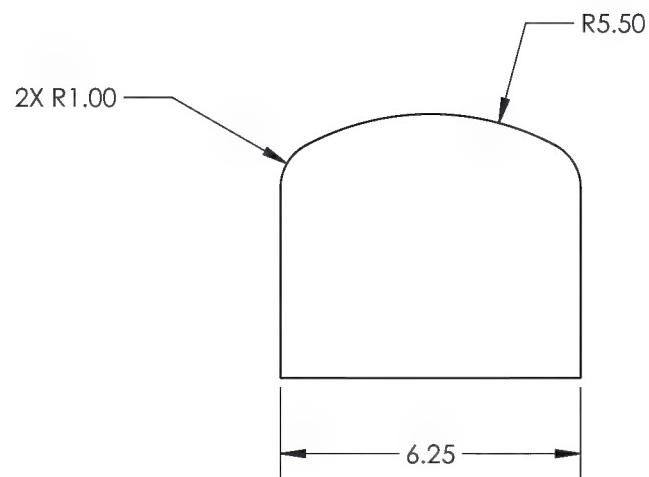
MIDDLE UPRIGHT

(-25)

<b>DART AEROSPACE</b>	
TITLE	
3000 WASH SYSTEM	
DWG NO.	
HT-3000-CW-25	
REV 3	
MATERIAL STEEL TUBE	
HEAT TREAT	
FINISH SEE -1 WELDMENT	
SPEC	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
.XXX ± .010 FRACTIONS ± 1/8	
.XX ± .03 ANGLES ± 1°	
.X ± .1 SURFACES = 125 ✓	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
DRAWN BY:	DUERFELDT
CHECKED:	CLOUGH
OPPS APPR:	ANDERSON
QA APPR:	LINDSAY
APPROVED:	MACKOVJAK
USED ON MODEL	
SCALE	1:2
DATE	10/20/2014
SHEET 17 OF 53	

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
3	16-0144	-27 CH'D MAT'L WAS A36 IS A36/1018/1020 HR.	9/8/2016	DPD	SM



**DART**  
AEROSPACE

TITLE  
**3000 WASH SYSTEM**

DWG NO.  
**HT-3000-CW-27**

REV  
**3**

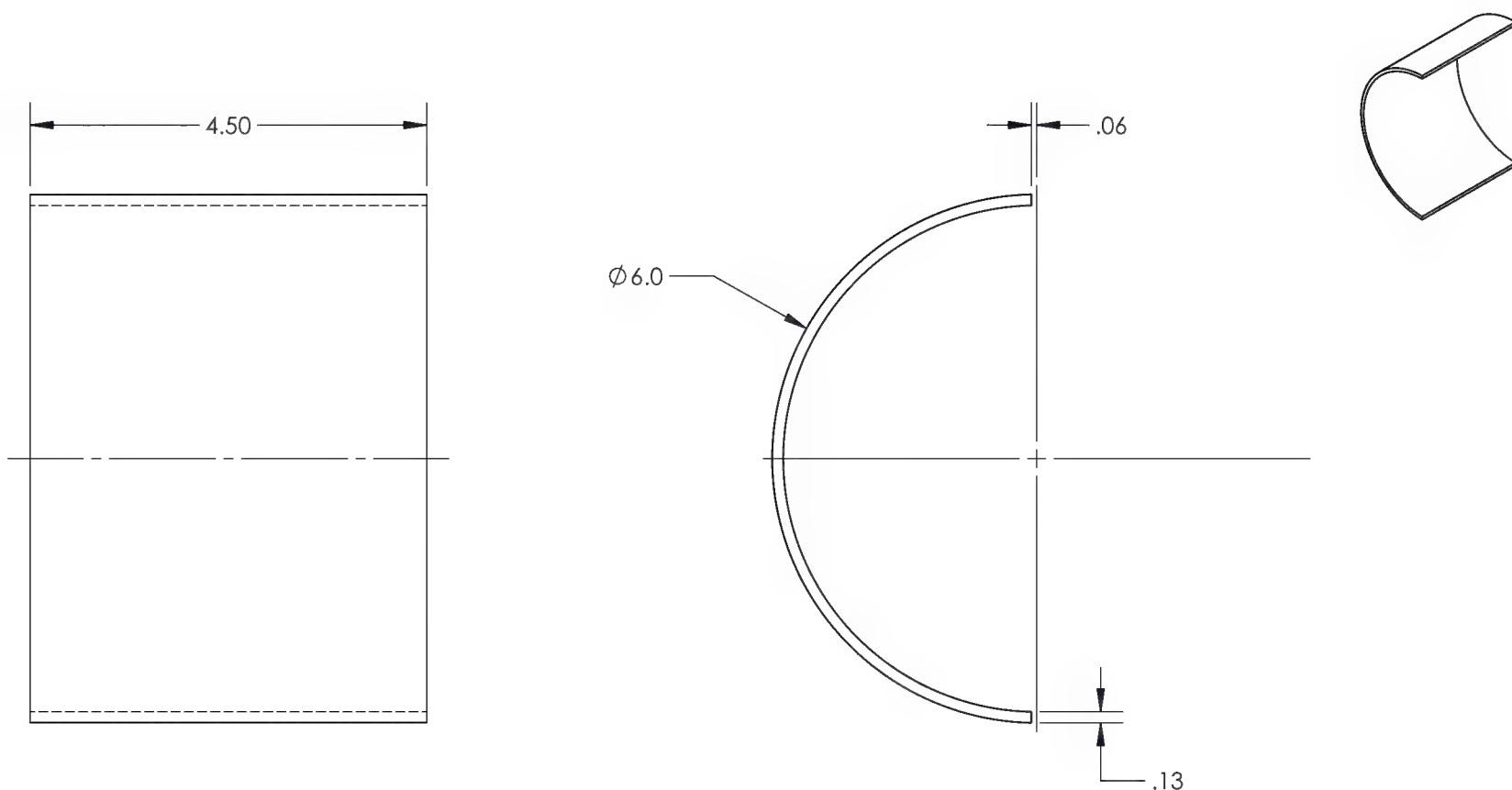
MAT'L	A36/1018/1020 HR	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
HEAT	.XXX ± .010	FRACTIONS ± 1/8
TREAT	.XX ± .03	ANGLES ± 1°
FINISH SEE -1 WELDMENT	X ± .1	SURFACES = 125 ✓
SPEC		
DRAWN BY:	DUERFELDT	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
CHECKED:	CLOUGH	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
OPPS APPR:	ANDERSON	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
QA APPR:	LINDSAY	USED ON MODEL
APPROVED:	MACKOVJAK	
SCALE	1:4	DATE 10/27/2014 SHEET 18 OF 53

(-27)

RETAINER, HOSE REEL

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REV			ECR			DESCRIPTION			DATE			INITIAL			APPROVED		
3	16-0144		-29	ADDED DIM .06.					9/8/2016	DPD	SM						



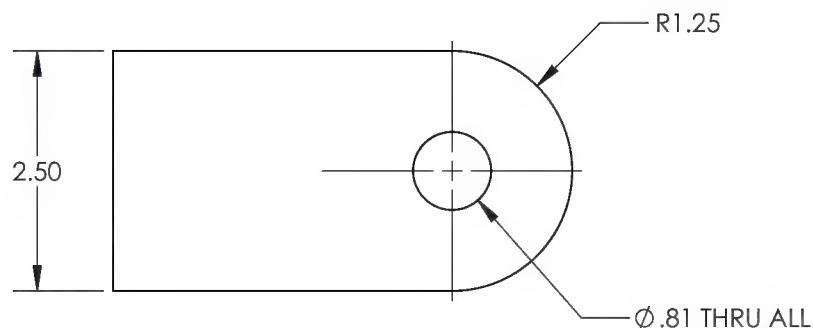
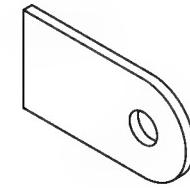
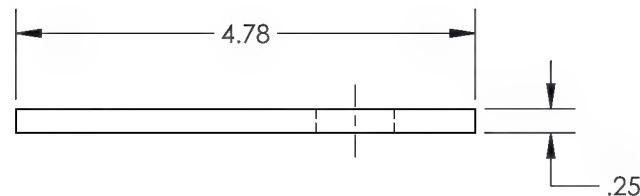
HOSE REEL

(-29)

<b>DART</b> AEROSPACE	
TITLE	
3000 WASH SYSTEM	
DWG NO.	
HT-3000-CW-29	
REV	3
MATERIAL STEEL TUBE	
HEAT TREAT	
FINISH SEE-1 WELDMENT	
SPEC	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
.XXX ± .010 FRACTIONS ± 1/8	
.XX ± .03 ANGLES ± 1°	
.X ± .1 SURFACES = 125 ✓	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
DRAWN BY:	DUERFELDT
CHECKED:	CLOUGH
OPPS APPR:	ANDERSON
QA APPR:	LINDSAY
APPROVED:	MACKOVJAK
USED ON MODEL	
SCALE	1:2
DATE	10/20/2014
SHEET	19 OF 53

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
3	16-0144	-31 CH'D MAT'L WAS 1018/1020 IS 1018/1020 CR.	9/8/2016	DPD	SM



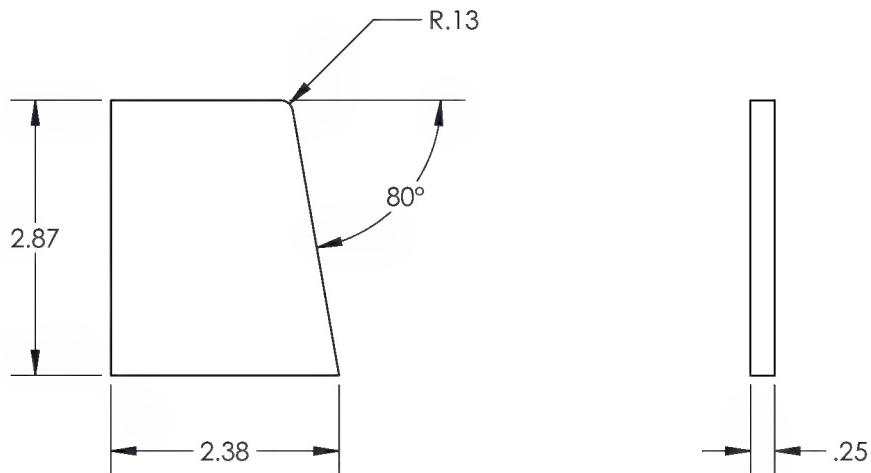
(-31)

LIFTING EYE

<b>DART</b> AEROSPACE	
TITLE	
3000 WASH SYSTEM	
DWG NO.	HT-3000-CW-31
REV	3
MAT'L 1018/1020 CR	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
HEAT	.XXX ± .010 FRACTIONS ± 1/8
TREAT	.XX ± .03 ANGLES ± 1°
FINISH SEE -1 WELDMENT	X ± .1 SURFACES = 125 ✓
SPEC	
DRAWN BY:	DUERFELDT
CHECKED:	CLOUGH
OPPS APPR:	ANDERSON
QA APPR:	LINDSAY
APPROVED:	MACKOVJAK
USED ON MODEL	
SCALE	1:2
DATE	10/20/2014
SHEET 20 OF 53	

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
3	16-0144	-33 CH'D MAT'L WAS 1018/1020 IS 1018/1020 CR.	9/8/2016	DPD	SM



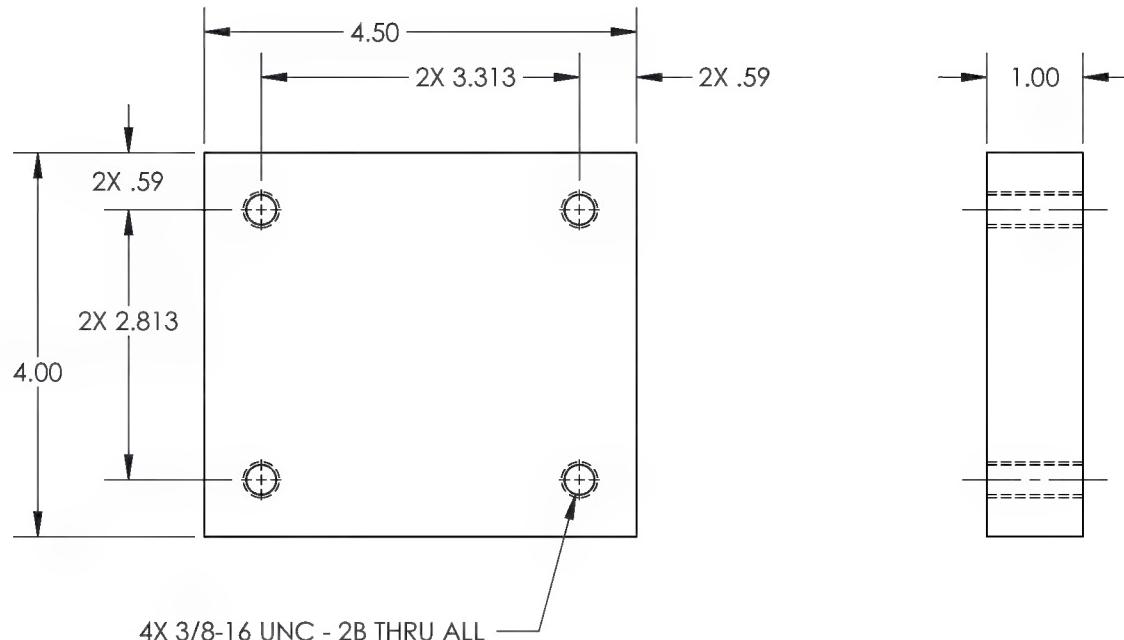
(-33)

GUSSET

<b>DART</b> AEROSPACE	
TITLE	
3000 WASH SYSTEM	
DWG NO.	HT-3000-CW-33
REV	3
MAT'L 1018/1020 CR	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
HEAT	.XXX ± .010 FRACTIONS ± 1/8
TREAT	.XX ± .03 ANGLES ± 1°
FINISH SEE -1 WELDMENT	X ± .1 SURFACES = 125 ✓
SPEC	
DRAWN BY:	DUERFELDT
CHECKED:	CLOUGH
OPPS APPR:	ANDERSON
QA APPR:	LINDSAY
APPROVED:	MACKOVJAK
USED ON MODEL	
SCALE	1:2
DATE	10/20/2014
SHEET 21 OF 53	

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			REVISIONS			
REV	ECR		DESCRIPTION	DATE	INITIAL	APPROVED
3	16-0144	-35	CH'D MAT'L WAS 1018/1020 IS 1018/1020 CR.	9/8/2016	DPD	SM



4X 3/8-16 UNC - 2B THRU ALL

(-35)

CASTER MOUNT

<b>DART</b> AEROSPACE	
TITLE	
3000 WASH SYSTEM	
DWG NO.	HT-3000-CW-35
REV	3
MAT'L 1018/1020 CR	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
HEAT	.XXX ± .010 FRACTIONS ± 1/8
TREAT	.XX ± .03 ANGLES ± 1°
FINISH SEE -1 WELDMENT	X ± .1 SURFACES = 125 ✓
SPEC	
DRAWN BY:	DUERFELDT
CHECKED:	CLOUGH
OPPS APPR:	ANDERSON
QA APPR:	LINDSAY
APPROVED:	MACKOVJAK
USED ON MODEL	
SCALE	1:2
DATE	10/20/2014
SHEET 22 OF 53	

**DART**  
AEROSPACE

3000 WASH SYSTEM

HT-3000-CW-35

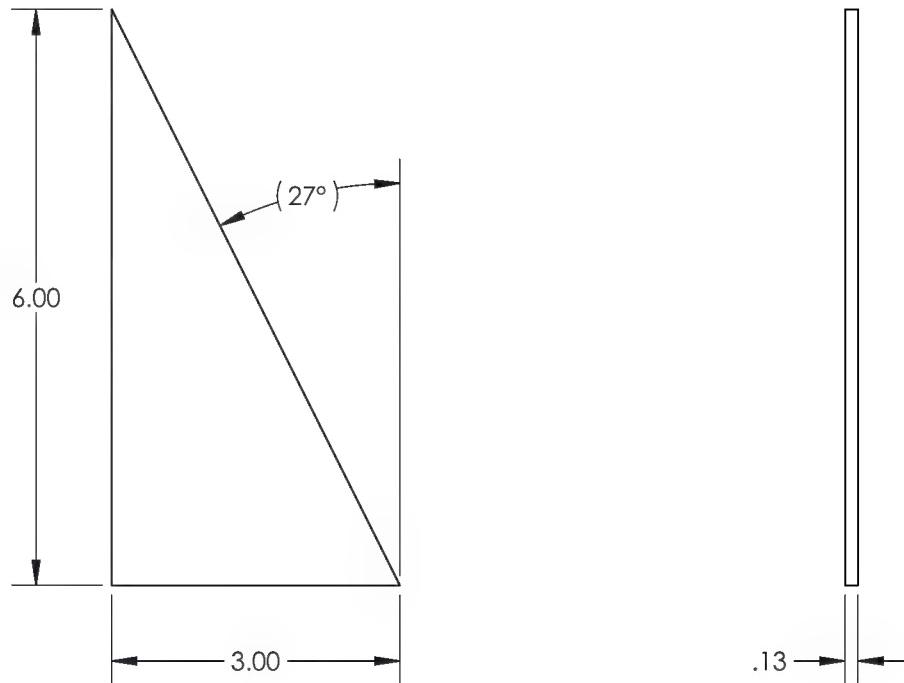
3

HEAT	.XXX ± .010 FRACTIONS ± 1/8
TREAT	.XX ± .03 ANGLES ± 1°
FINISH SEE -1 WELDMENT	X ± .1 SURFACES = 125 ✓
SPEC	
DRAWN BY:	DUERFELDT
CHECKED:	CLOUGH
OPPS APPR:	ANDERSON
QA APPR:	LINDSAY
APPROVED:	MACKOVJAK
USED ON MODEL	
SCALE	1:2
DATE	10/20/2014
SHEET 22 OF 53	

1. BREAK ALL SHARP EDGES  
.015 x 45° OR .015R
2. DIMENSIONAL LIMITS APPLY AFTER PLATING
3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
3	16-0144	-37 CH'D MAT'L WAS A36 IS A36/1018/1020 HR.	9/8/2016	DPD	SM



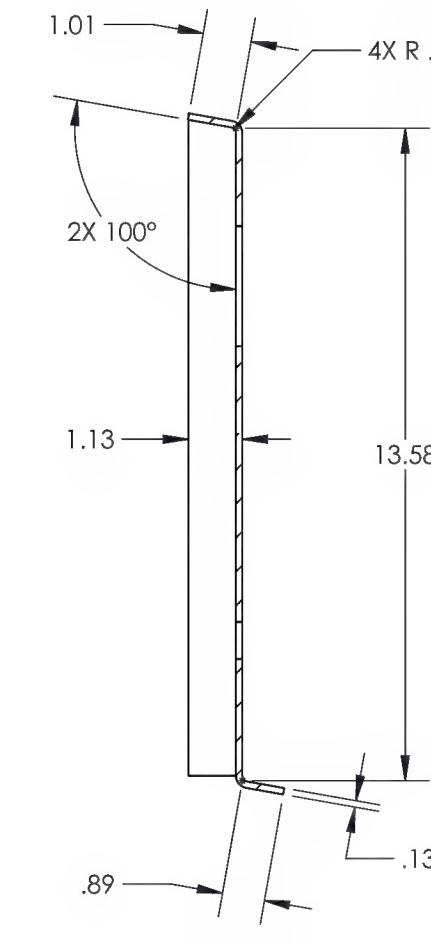
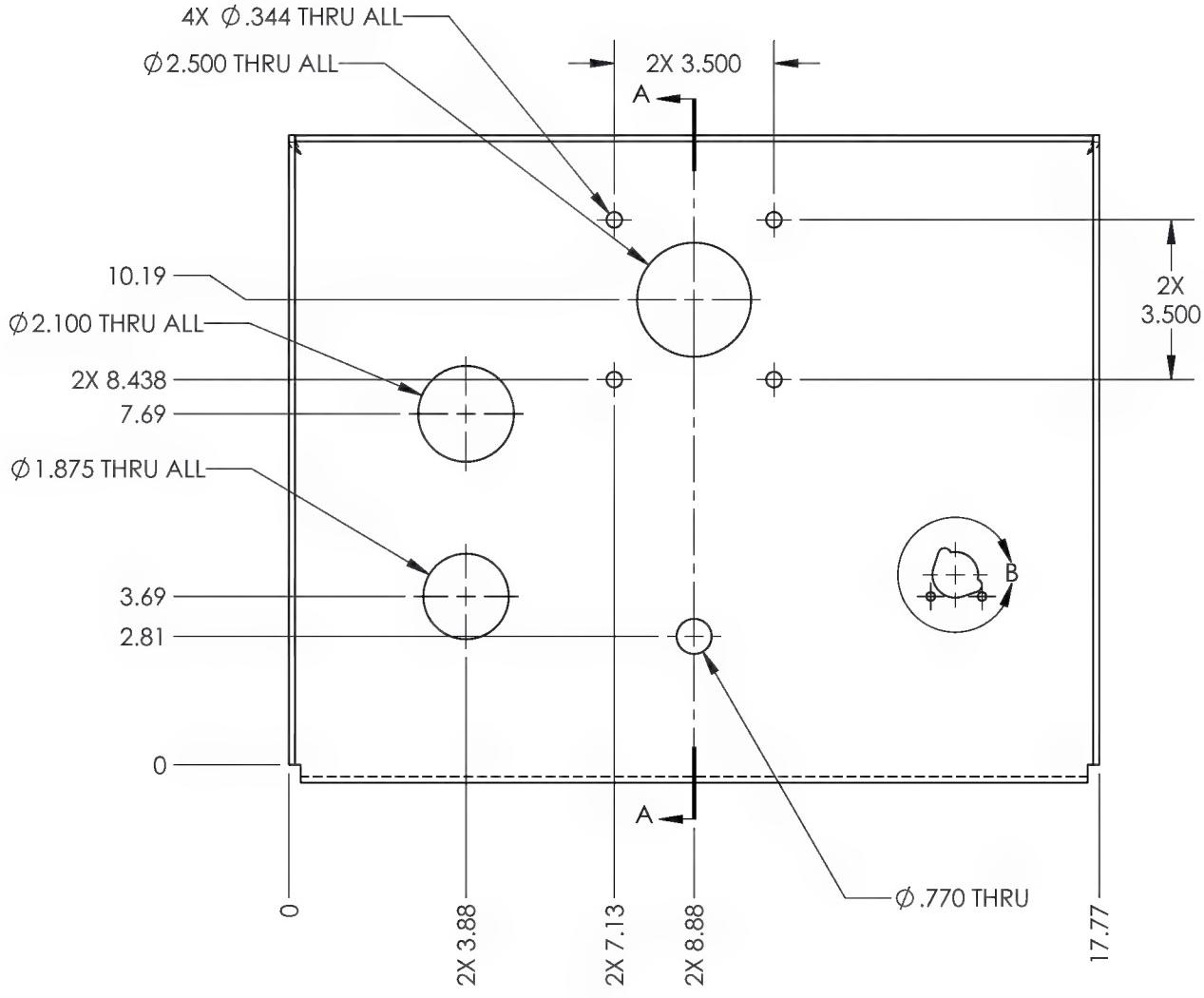
(-37)

BRACE

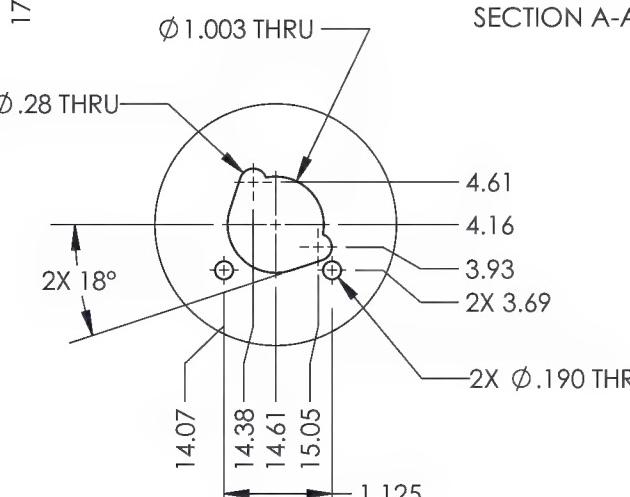
<b>DART</b> AEROSPACE	
TITLE	
3000 WASH SYSTEM	
DWG NO.	HT-3000-CW-37
REV	3
MATERIAL A36/1018/1020 HR	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
HEAT	.XXX ± .010 FRACTIONS ± 1/8
TREAT	.XX ± .03 ANGLES ± 1°
FINISH SEE -1 WELDMENT	X ± .1 SURFACES = 125 ✓
SPEC	
DRAWN BY:	DUERFELDT
CHECKED:	CLOUGH
OPPS APPR:	ANDERSON
QA APPR:	LINDSAY
APPROVED:	MACKOVJAK
USED ON MODEL	
SCALE	1:2
DATE	10/20/2014
SHEET 23 OF 53	

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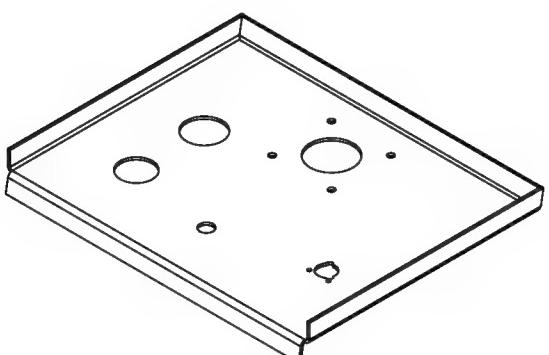
REV		ECR	DESCRIPTION		DATE	INITIAL	APPROVED
3	16-0144	-39	CH'D MAT'L WAS A36 IS A36/1018/1020 HR. CH'D DIMS WAS Ø2.000 IS Ø2.100, WAS Ø.750 IS Ø.770. ADDED DIMS 2X Ø.28, 4.61, 3.93, 14.38, 15.05, 2X 18°.		9/8/2016	DPD	SM



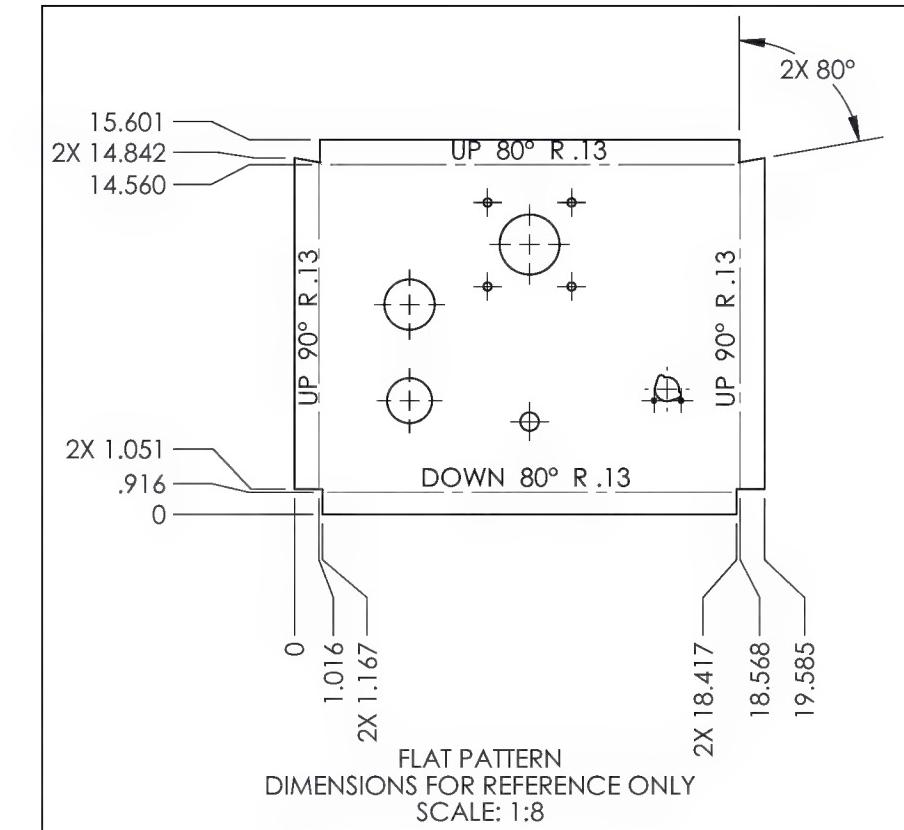
SECTION A-A



DETAIL B  
SCALE 1 : 2



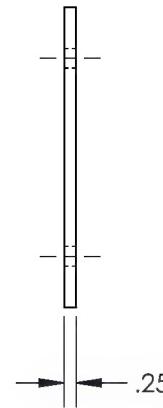
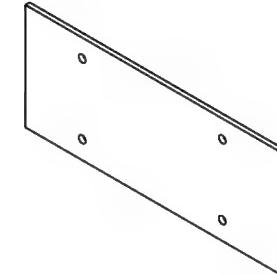
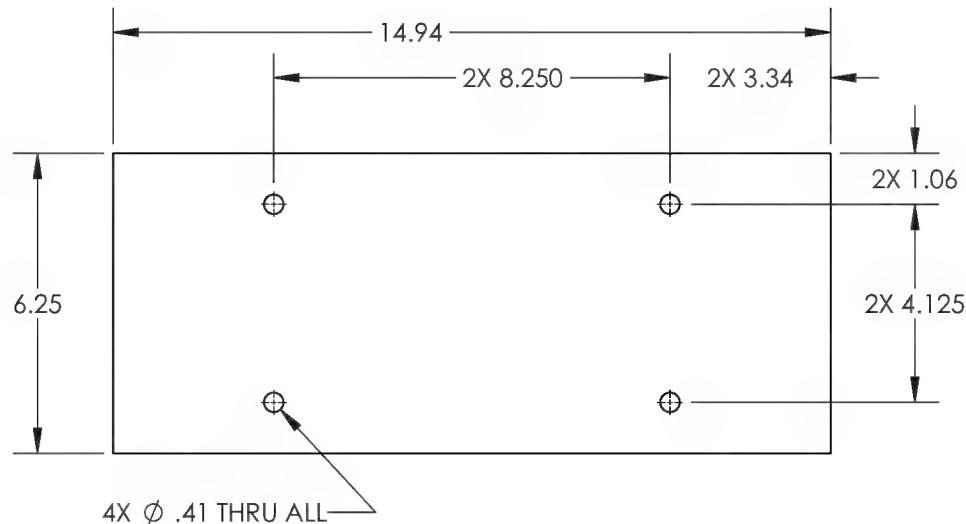
CONTROL PANEL



TITLE	
3000 WASH SYSTEM	
DWG NO.	HT-3000-CW-39
MATL	A36/1018/1020 HR
HEAT TREAT	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
FINISH	.XXX ± .010 FRACTIONS ± 1/8
SEE -1	.XX ± .03 ANGLES ± 1°
SPEC	X ± .1 SURFACES = 125
DRAWN BY:	DUERFELDT ✓
CHECKED:	CLOUGH
OPPS APPR:	ANDERSON
QA APPR:	LINDSAY
APPROVED:	MACKOVJAK
USED ON MODEL	
SCALE	1:4
DATE	10/22/2014
SHEET	24 OF 53

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REVISIONS							
REV	ECR	DESCRIPTION			DATE	INITIAL	APPROVED
3	16-0144	-41	CH'D MAT'L WAS 1018/1020 IS 1018/1020 CR.		9/8/2016	DPD	SM



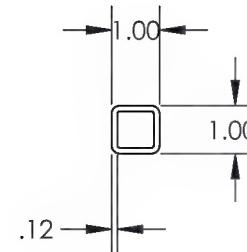
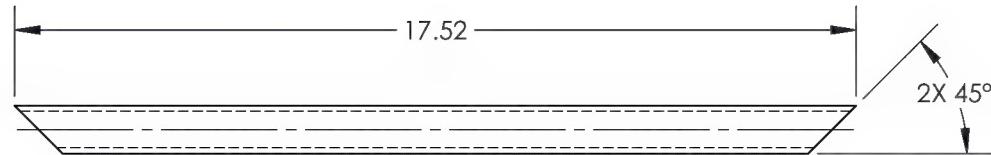
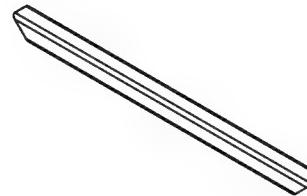
<b>DART</b> AEROSPACE	
TITLE	
3000 WASH SYSTEM	
DWG NO.	HT-3000-CW-41
REV	3
MATERIAL 1018/1020 CR	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
HEAT	.XXX ± .010 FRACTIONS ± 1/8
TREAT	.XX ± .03 ANGLES ± 1°
FINISH SEE -1 WELDMENT	X ± .1 SURFACES = 125 ✓
SPEC	
DRAWN BY:	DUERFELDT
CHECKED:	CLOUGH
OPPS APPR:	ANDERSON
QA APPR:	LINDSAY
APPROVED:	MACKOVJAK
USED ON MODEL	
SCALE	1:4
DATE	10/20/2014
SHEET 25 OF 53	

(41)

CENTER PLATE

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REV		ECR		DESCRIPTION		DATE	INITIAL	APPROVED



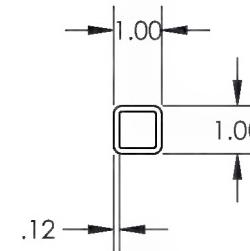
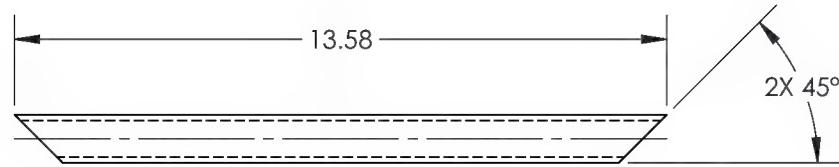
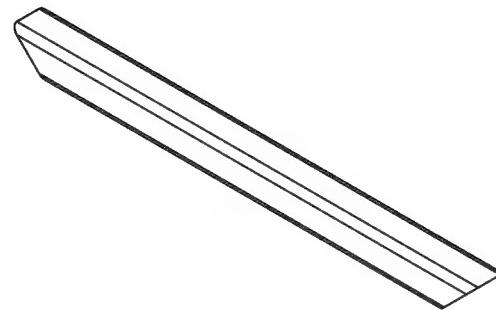
FRONT/BACK PANEL SUPPORT

(-43)

<b>DART</b> AEROSPACE	
TITLE	
3000 WASH SYSTEM	
DWG NO.	
HT-3000-CW-43	
REV 3	
MATERIAL STEEL TUBE	
HEAT	
TREAT	
FINISH SEE -1 WELDMENT	
SPEC	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
.XXX ± .010 FRACTIONS ± 1/8	
.XX ± .03 ANGLES ± 1°	
.X ± .1 SURFACES = 125 ✓	
DRAWN BY:	DUERFELDT
CHECKED:	CLOUGH
OPPS APPR:	ANDERSON
QA APPR:	LINDSAY
APPROVED:	MACKOVJAK
USED ON MODEL	
SCALE	1:4
DATE	10/20/2015
SHEET	26 OF 53

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REV	ECR	REVISIONS	DESCRIPTION	DATE	INITIAL	APPROVED
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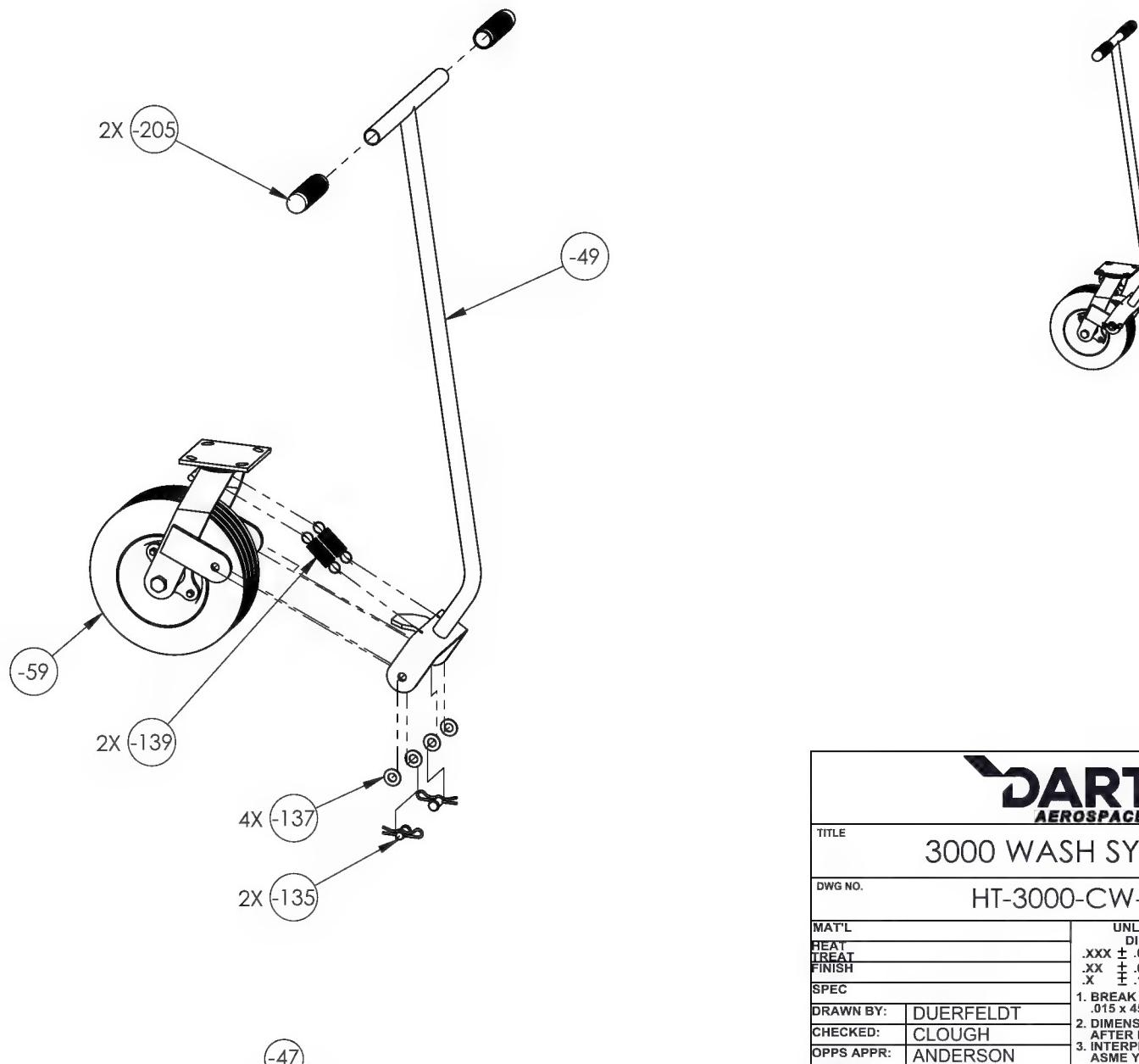
-45

SIDE PANEL SUPPORT

DART AEROSPACE	
TITLE	
3000 WASH SYSTEM	
DWG NO.	HT-3000-CW-45
REV	3
MATERIAL STEEL TUBE	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
HEAT	.XXX ± .010 FRACTIONS ± 1/8
TREAT	.XX ± .03 ANGLES ± 1°
FINISH SEE -1 WELDMENT	X ± .1 SURFACES = 125 ✓
SPEC	
DRAWN BY:	DUERFELDT
CHECKED:	CLOUGH
OPPS APPR:	ANDERSON
QA APPR:	LINDSAY
APPROVED:	MACKOVJAK
USED ON MODEL	
SCALE	1:4
DATE	10/20/2015
SHEET 27 OF 53	

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REV			ECR			DESCRIPTION			REVISIONS		
3	16-0144	-47 ADDED -205 QTY 2.							DATE	INITIAL	APPROVED

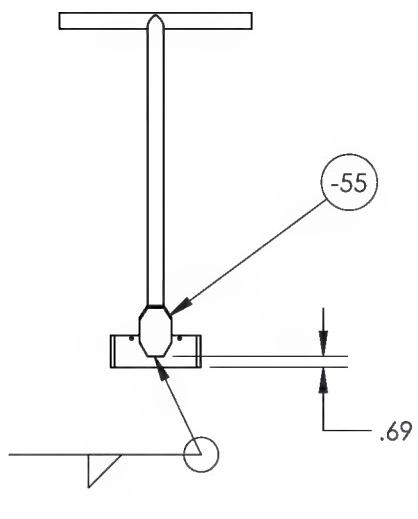
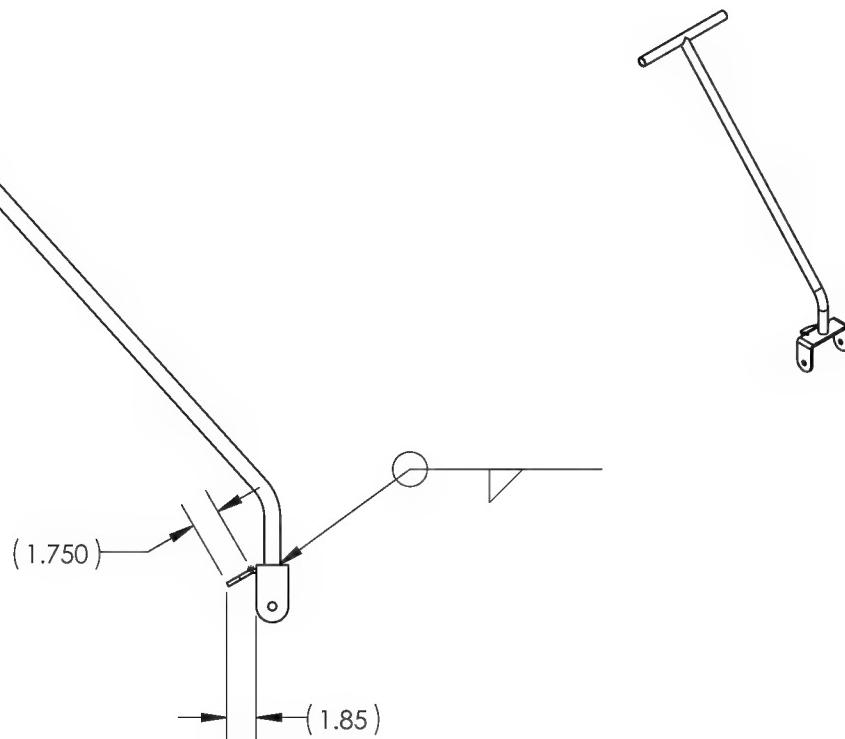
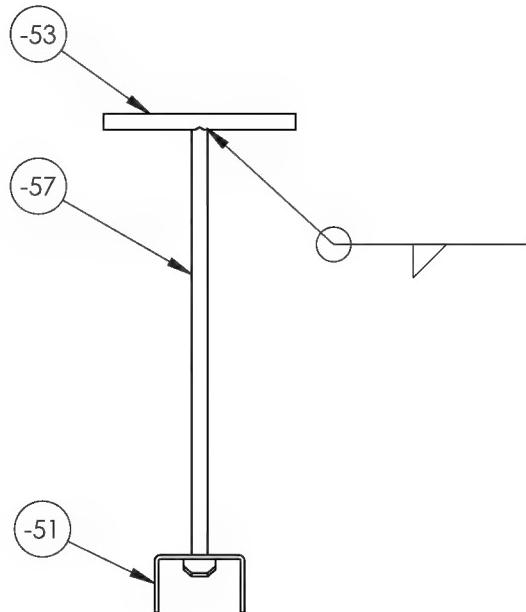


STEERING ASSEMBLY

<b>DART</b> AEROSPACE	
TITLE	
3000 WASH SYSTEM	
DWG NO.	
HT-3000-CW-47	
REV	3
MAT'L	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
HEAT .XXX ± .010 FRACTIONS ± 1/8	
TREAT .XX ± .03 ANGLES ± 1°	
FINISH X ± .1 SURFACES = 125 ✓	
SPEC	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
DRAWN BY: DUERFELDT	
CHECKED: CLOUGH	
OPPS APPR: ANDERSON	
QA APPR: LINDSAY	
APPROVED: MACKOVJAK	
USED ON MODEL	
SCALE 1:10	DATE 11/16/2015
SHEET 28 OF 53	

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REV	ECR	REVISIONS	DESCRIPTION	DATE	INITIAL	APPROVED
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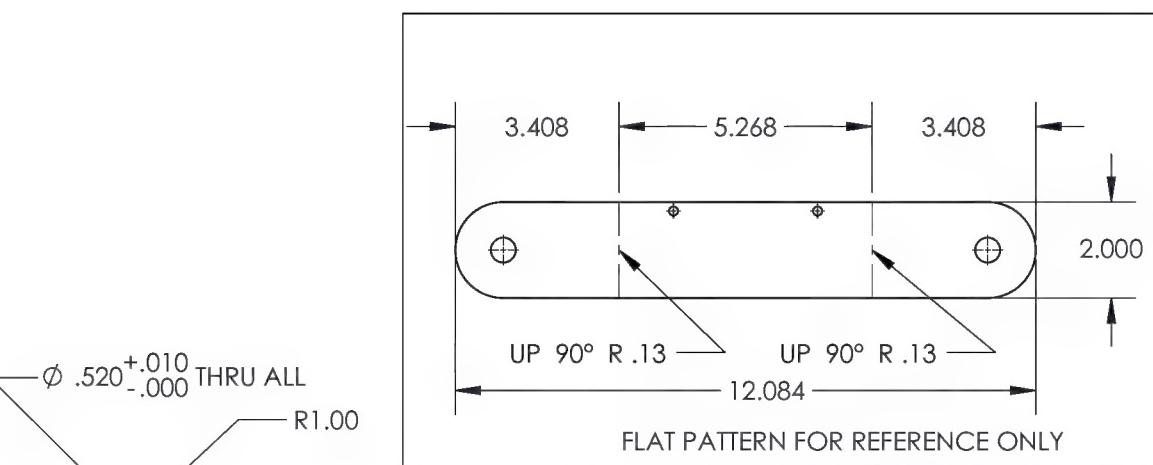
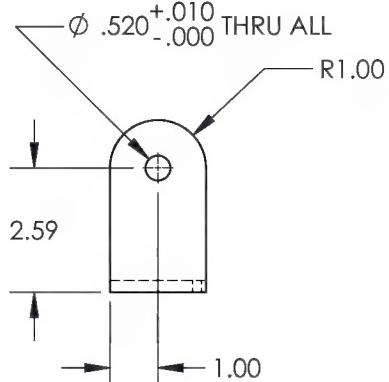
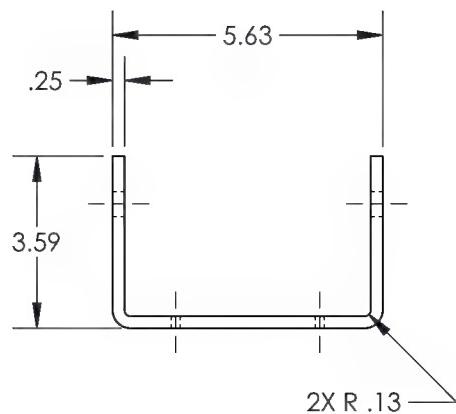
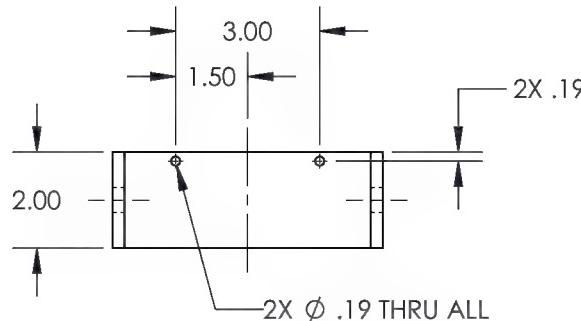
HANDLE WELDMENT

-49

DART AEROSPACE	
TITLE	
3000 WASH SYSTEM	
DWG NO.	HT-3000-CW-49
REV	3
MAT'L	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
HEAT	.XXX ± .010 FRACTIONS ± 1/8
TREAT	.XX ± .03 ANGLES ± 1°
FINISH	X ± .1 SURFACES = 125 ✓
SPEC	FED #13538
DRAWN BY:	DUERFELDT
CHECKED:	CLOUGH
OPPS APPR:	ANDERSON
QA APPR:	LINDSAY
APPROVED:	MACKOVJAK
USED ON MODEL	
SCALE	1:12
DATE	11/16/2015
SHEET 29 OF 53	

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REV			ECR			DESCRIPTION			REVISIONS		
3	16-0144	-51	CH'D MAT'L WAS 1018/1020 IS 1018/1020 CR.						DATE	INITIAL	APPROVED
									9/8/2016	DPD	SM



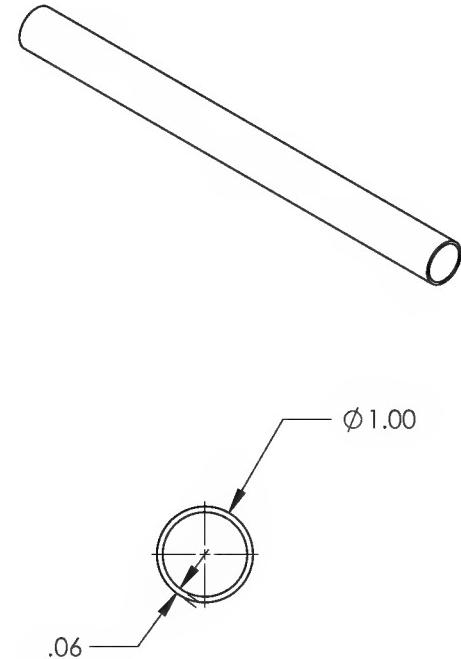
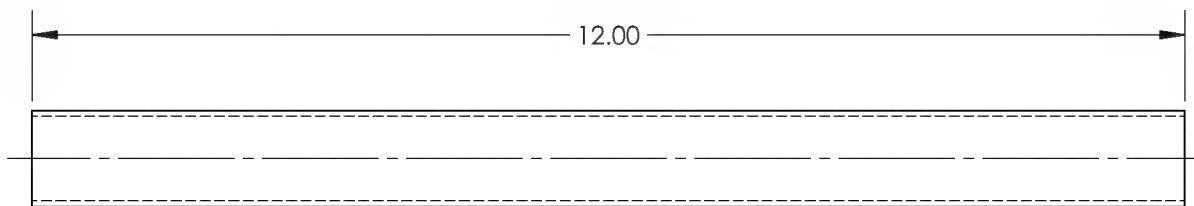
HANDLE MOUNT

(-51)

<b>DART</b> AEROSPACE	
<b>TITLE</b>	
<b>3000 WASH SYSTEM</b>	
<b>DWG NO.</b>	<b>HT-3000-CW-51</b>
<b>REV</b>	<b>3</b>
<b>MAT'L</b> 1018/1020 CR	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
.XXX ± .010 FRACTIONS ± 1/8	
.XX ± .03 ANGLES ± 1°	
.X ± .1 SURFACES = 125 ✓	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
<b>DRAWN BY:</b>	<b>DUERFELDT</b>
<b>CHECKED:</b>	<b>CLOUGH</b>
<b>OPPS APPR:</b>	<b>ANDERSON</b>
<b>QA APPR:</b>	<b>LINDSAY</b>
<b>APPROVED:</b>	<b>MACKOVJAK</b>
<b>USED ON MODEL</b>	
<b>SCALE</b>	<b>1:4</b>
<b>DATE</b>	<b>10/27/2015</b>
<b>SHEET</b>	<b>30 OF 53</b>

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REV		ECR		REVISIONS		
				DESCRIPTION		DATE
				INITIAL	APPROVED	



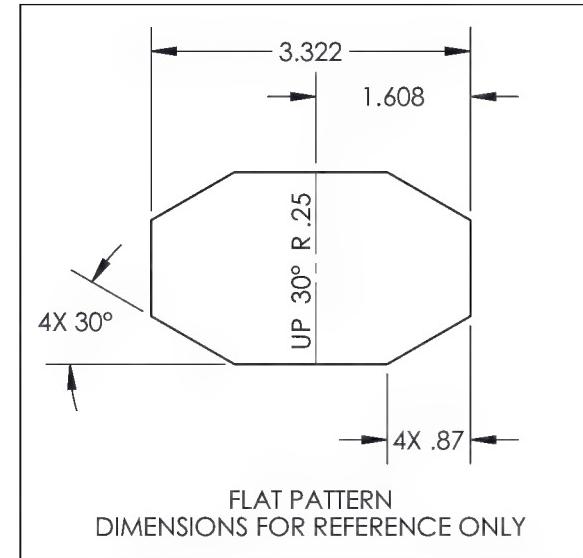
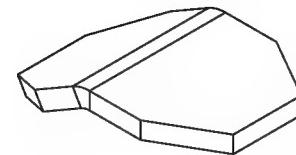
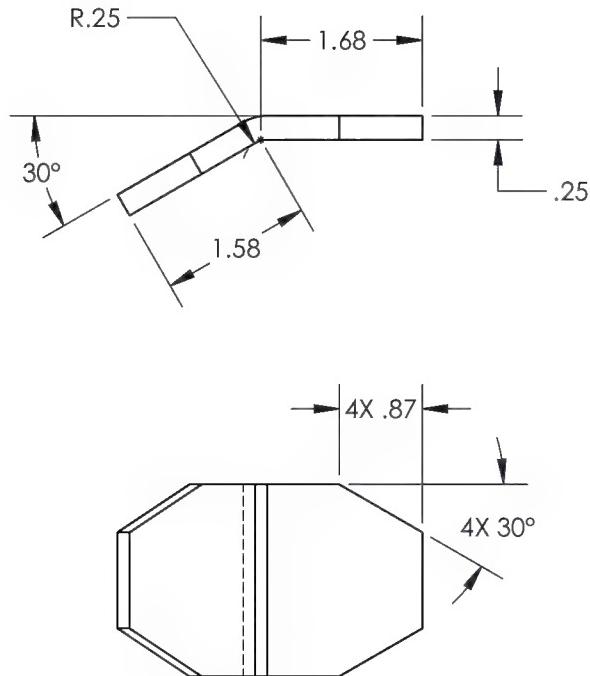
HANDLE

-53

<b>DART</b> AEROSPACE	
TITLE	
3000 WASH SYSTEM	
DWG NO.	
HT-3000-CW-53	
REV	3
MATERIAL STEEL TUBE	
HEAT TREAT	
FINISH SEE -51 WELDMENT	
SPEC	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
.XXX ± .010 FRACTIONS ± 1/8	
.XX ± .03 ANGLES ± 1°	
.X ± .1 SURFACES = 125 ✓	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
DRAWN BY: DUERFELDT	
CHECKED: CLOUGH	
OPPS APPR: ANDERSON	
QA APPR: LINDSAY	
APPROVED: MACKOVJAK	
USED ON MODEL	
SCALE 1:2	DATE 10/27/2015
SHEET 31 OF 53	

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REV			ECR			DESCRIPTION			REVISIONS		
3	16-0144	-55 CH'D MAT'L WAS 1018/1020 IS 1018/1020 CR.							DATE	INITIAL	APPROVED
9/8/2016	DPD	SM									



(-55)

BRAKE

<b>DART</b> <b>AEROSPACE</b>	
TITLE	
3000 WASH SYSTEM	
DWG NO.	
HT-3000-CW-55	
REV 3	
MATERIAL 1018/1020 CR	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
HEAT TREAT	
.XXX ± .010 FRACTIONS ± 1/8	
FINISH SEE -51 WELDMENT	
.XX ± .03 ANGLES ± 1°	
SPEC	
.X ± .1 SURFACES = 125 ✓	
DRAWN BY: DUERFELDT	
CHECKED: CLOUGH	
OPPS APPR: ANDERSON	
QA APPR: LINDSAY	
APPROVED: MACKOVJAK	
USED ON MODEL	
SCALE 1:2	DATE 10/27/2015
SHEET 32 OF 53	

**DART**  
**AEROSPACE**

3000 WASH SYSTEM

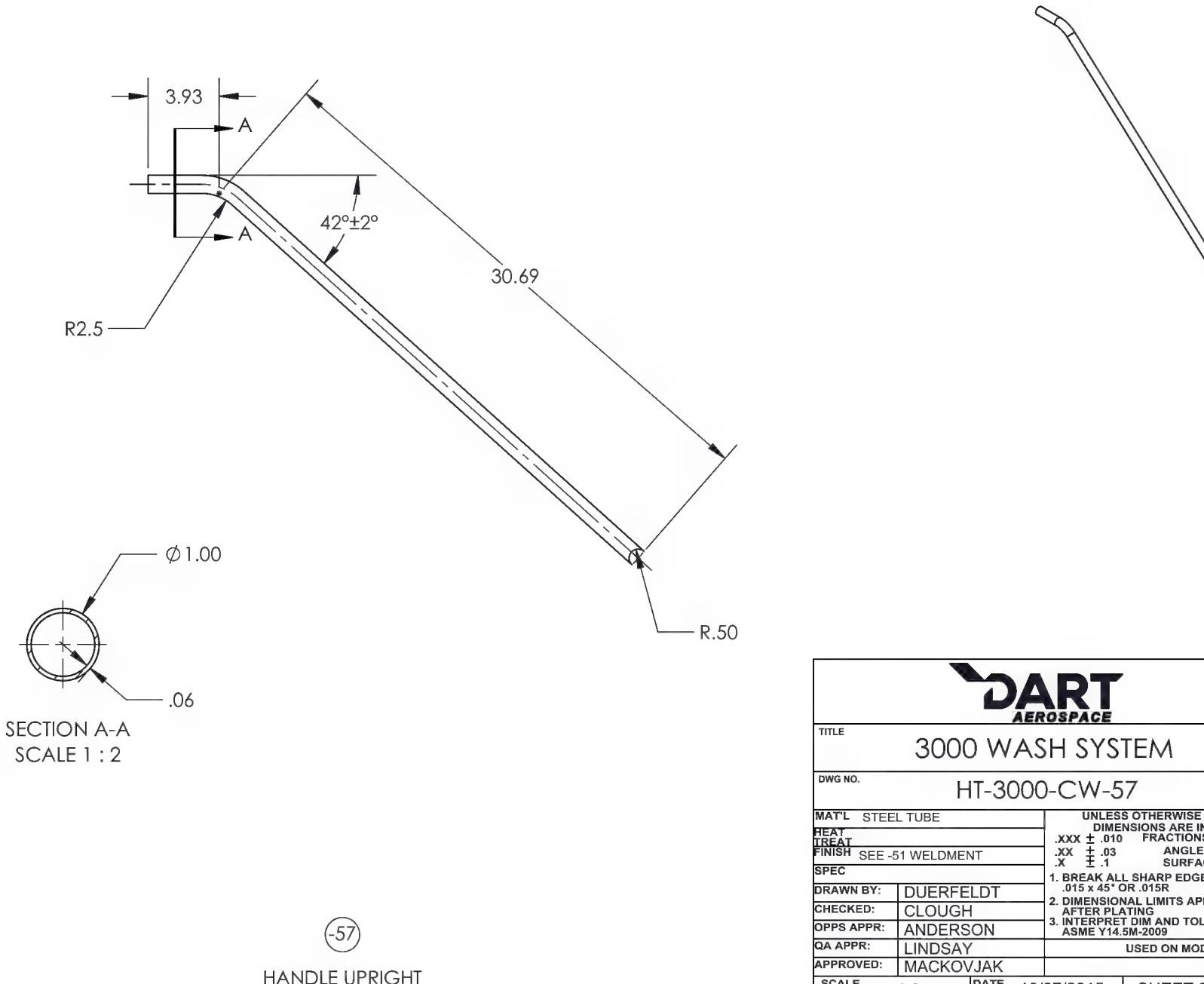
HT-3000-CW-55

REV 3

MATERIAL 1018/1020 CR	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
HEAT TREAT	.XXX ± .010 FRACTIONS ± 1/8
FINISH SEE -51 WELDMENT	.XX ± .03 ANGLES ± 1°
SPEC	.X ± .1 SURFACES = 125 ✓
DRAWN BY: DUERFELDT	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
CHECKED: CLOUGH	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
OPPS APPR: ANDERSON	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
QA APPR: LINDSAY	USED ON MODEL
APPROVED: MACKOVJAK	
SCALE 1:2	DATE 10/27/2015
SHEET 32 OF 53	

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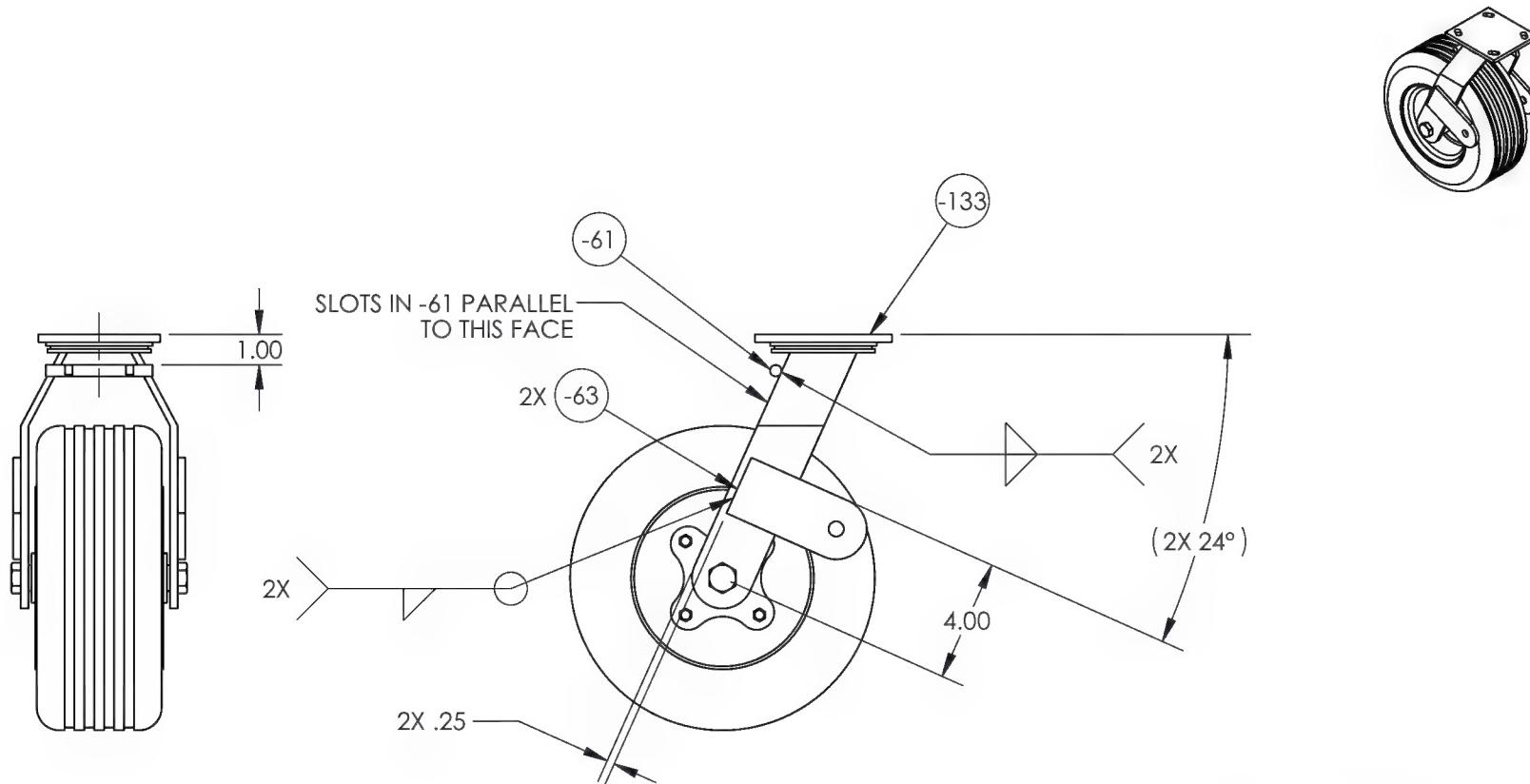
REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
3	16-0144	-57 CH'D DIMS WAS R.25 IS R2.5, WAS 42° IS 42° ±2°.	9/9/2016	DPD	SM



<b>DART</b> AEROSPACE	
TITLE	
3000 WASH SYSTEM	
DWG NO.	
HT-3000-CW-57	
REV	3
MATERIAL STEEL TUBE	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
HEAT .XXX ± .010 FRACTIONS ± 1/8	
TREAT .XX ± .03 ANGLES ± 1°	
FINISH SEE -51 WELDMENT .X ± .1 SURFACES = 125 ✓	
SPEC	
DRAWN BY:	DUERFELDT
CHECKED:	CLOUGH
OPPS APPR:	ANDERSON
QA APPR:	LINDSAY
APPROVED:	MACKOVJAK
USED ON MODEL	
SCALE	1:8
DATE	10/27/2015
SHEET	33 OF 53

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REV			ECR			DESCRIPTION			DATE			INITIAL			APPROVED		
3	16-0144		-59 ADDED WELD SYMBOLS.						9/9/2016			DPD			SM		



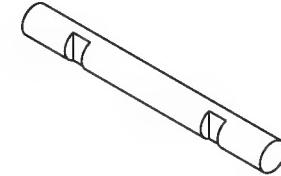
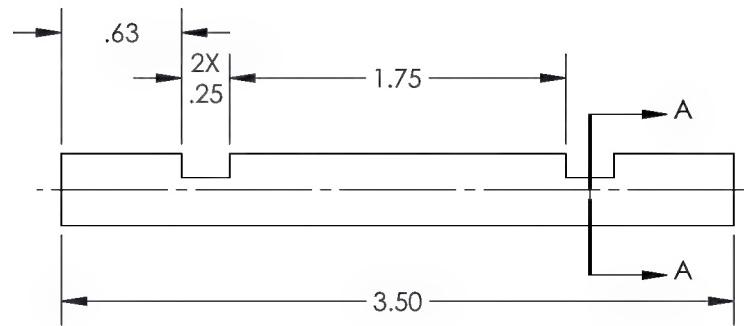
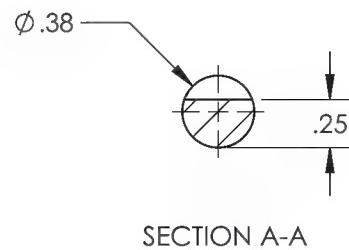
-59

CASTER WELDMENT

<b>DART</b> AEROSPACE	
TITLE	
3000 WASH SYSTEM	
DWG NO.	
HT-3000-CW-59	
REV	3
MAT'L	
HEAT TREAT	
FINISH PAINT BLACK	
SPEC	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
.XXX ± .010 FRACTIONS ± 1/8	
.XX ± .03 ANGLES ± 1°	
X ± .1 SURFACES = 125 ✓	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
DRAWN BY: DUERFELDT	
CHECKED: CLOUGH	
OPPS APPR: ANDERSON	
QA APPR: LINDSAY	
APPROVED: MACKOVJAK	
USED ON MODEL	
SCALE 1:6	DATE 10/23/2014
SHEET 34 OF 53	

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REVISIONS							
REV	ECR	DESCRIPTION			DATE	INITIAL	APPROVED
3	16-0144	-61	CH'D MAT'L WAS 1018/1020 IS 1018/1020 CR.		9/8/2016	DPD	SM



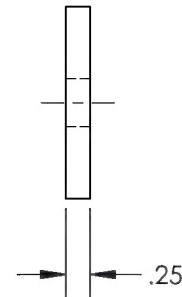
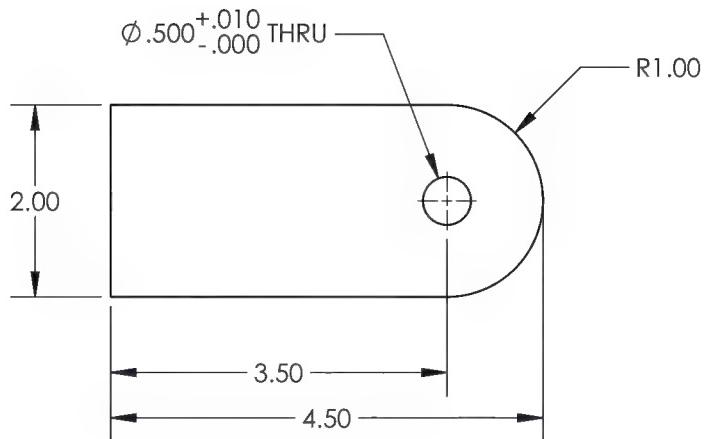
SPRING RETAINER

(-61)

<b>DART</b> AEROSPACE	
TITLE	
3000 WASH SYSTEM	
DWG NO.	HT-3000-CW-61
REV	3
MATERIAL 1018/1020 CR	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
HEAT	.XXX ± .010 FRACTIONS ± 1/8
TREAT	.XX ± .03 ANGLES ± 1°
FINISH SEE -61 WELDMENT	X ± .1 SURFACES = 125 ✓
SPEC	
DRAWN BY:	DUERFELDT
CHECKED:	CLOUGH
OPPS APPR:	ANDERSON
QA APPR:	LINDSAY
APPROVED:	MACKOVJAK
USED ON MODEL	
SCALE	1:1
DATE	10/27/2015
SHEET 35 OF 53	

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REVISIONS					
REV	ECR	DESCRIPTION		DATE	INITIAL
3	16-0144	-63	CH'D MAT'L WAS 1018/1020 IS 1018/1020 CR.	9/8/2016	DPD SM



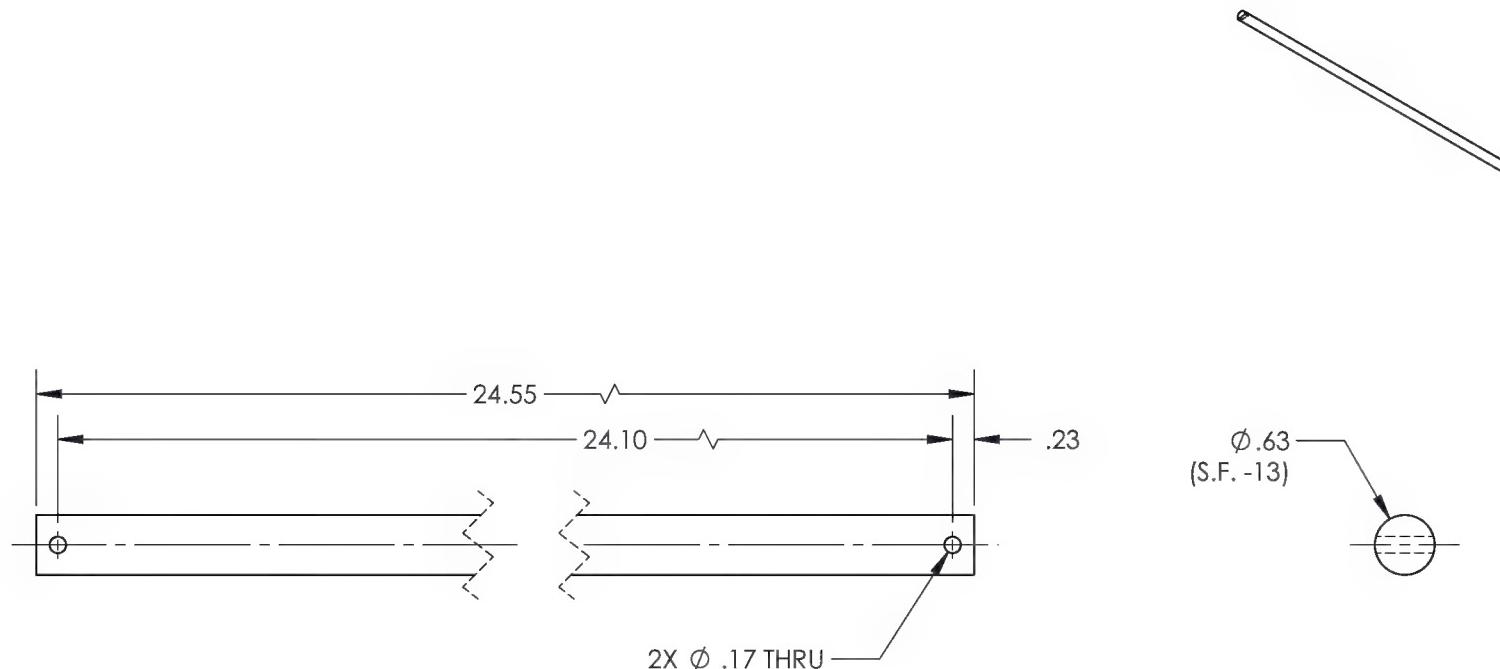
CASTER HANDLE MOUNT

(-63)

<b>DART</b> AEROSPACE	
TITLE	
3000 WASH SYSTEM	
DWG NO.	HT-3000-CW-63
REV	3
MATERIAL 1018/1020 CR	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
HEAT	.XXX ± .010 FRACTIONS ± 1/8
TREAT	.XX ± .03 ANGLES ± 1°
FINISH SEE -61 WELDMENT	X ± .1 SURFACES = 125 ✓
SPEC	
DRAWN BY:	DUERFELDT
CHECKED:	CLOUGH
OPPS APPR:	ANDERSON
QA APPR:	LINDSAY
APPROVED:	MACKOVJAK
USED ON MODEL	
SCALE	1:2
DATE	10/20/2014
SHEET 36 OF 53	

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
3	16-0144	-65 CH'D DIMS WAS 29.00 IS 24.55, WAS 28.55 IS 24.10.	9/8/2016	DPD	JAG



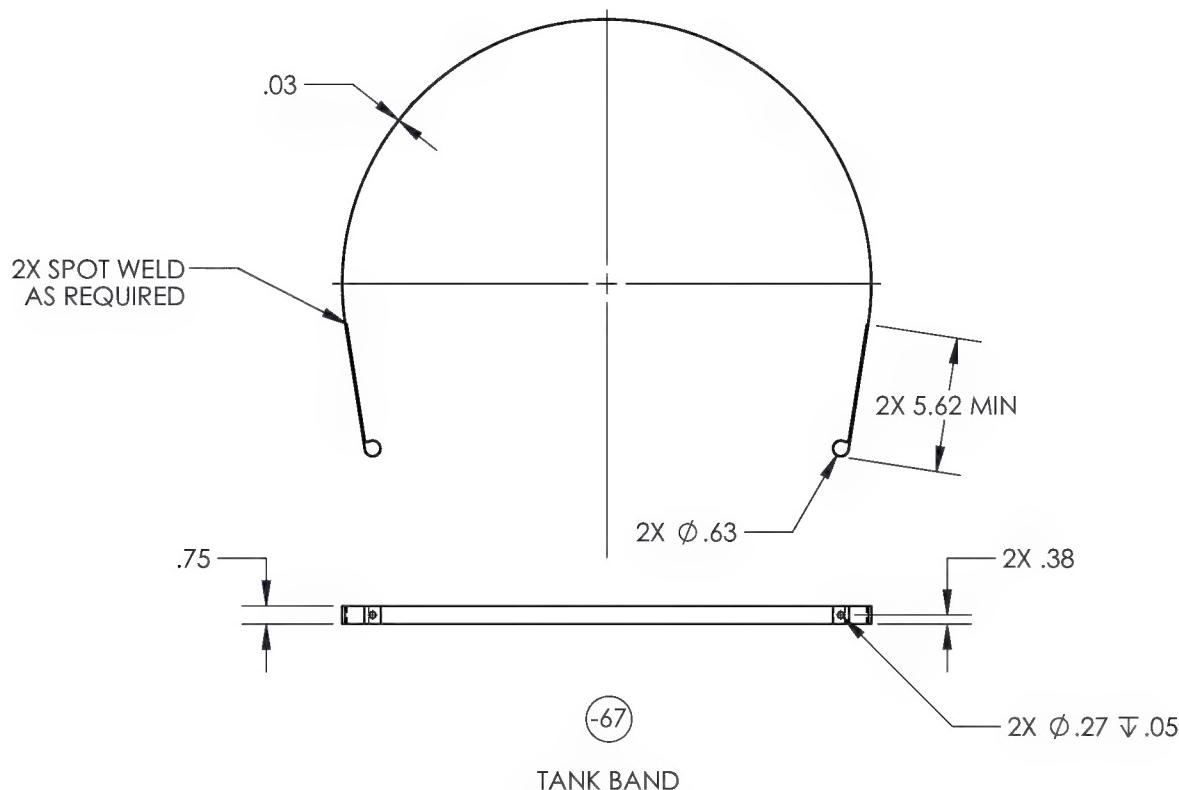
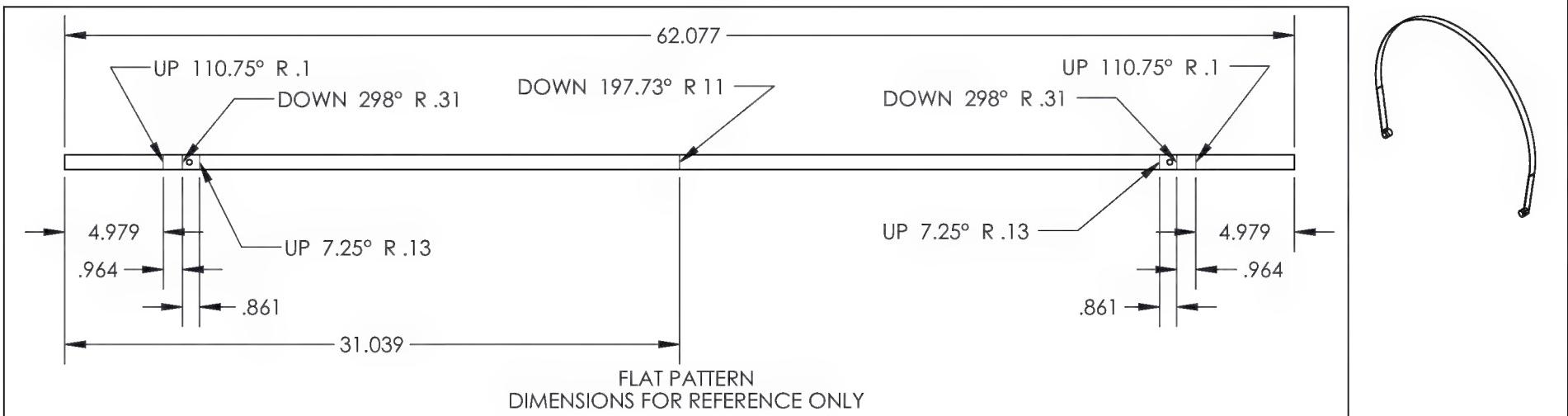
(-65)

AXLE

<b>DART</b> AEROSPACE	
TITLE	
3000 WASH SYSTEM	
DWG NO.	HT-3000-CW-65
REV	3
MATERIAL 303/304 UNLESS OTHERWISE SPECIFIED	
HEAT DIMENSIONS ARE IN INCHES	
TREAT FRACTIONS $\pm \frac{1}{16}$	
FINISH ANGLES $\pm 1^\circ$	
SPEC SURFACES = 125	
SPEC	
DRAWN BY:	DUERFELDT
CHECKED:	CLOUGH
OPPS APPR:	ANDERSON
QA APPR:	LINDSAY
APPROVED:	MACKOVJAK
USED ON MODEL	
SCALE	1:2
DATE	10/20/2014
SHEET	37 OF 53

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REV			ECR			DESCRIPTION			DATE			INITIAL			APPROVED		
3	16-0144					-67	ADDED SPOT WELD NOTE. CH'D DIMS WAS Ø.63 IS 2X Ø.63, WAS 5.62 MIN IS 2X 5.62 MIN, WAS .38 IX 2X .38.					9/8/2016	DPD	SM			



NOTE:  
FORM BY HAND AS REQUIRED.

<b>DART</b> AEROSPACE	
TITLE	
3000 WASH SYSTEM	
DWG NO.	
HT-3000-CW-67	
REV	3
MATERIAL S.S.	
HEAT TREAT	
FINISH	
SPEC	
DRAWN BY: DUERFELDT	
CHECKED: CLOUGH	
OPPS APPR: ANDERSON	
QA APPR: LINDSAY	
APPROVED: MACKOVJAK	
SCALE	1:8
DATE	10/27/2015
SHEET 38 OF 53	

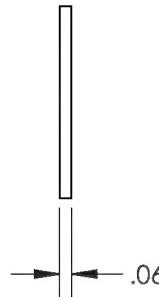
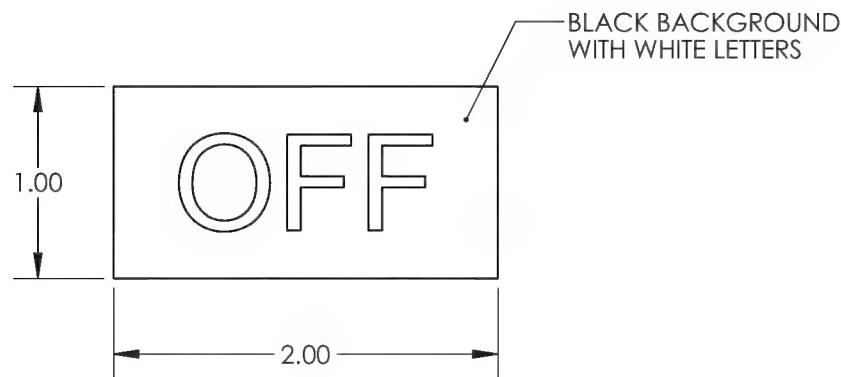
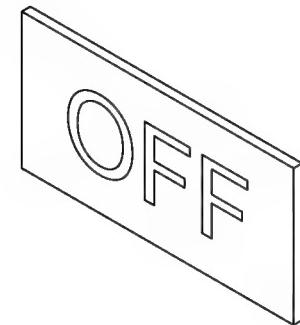
UNLESS OTHERWISE SPECIFIED  
DIMENSIONS ARE IN INCHES  
.XXX ± .010 FRACTIONS ± 1/8  
.XX ± .03 ANGLES ± 1°  
.X ± .1 SURFACES = 125 ✓

- BREAK ALL SHARP EDGES  
.015 x 45° OR .015R
- DIMENSIONAL LIMITS APPLY AFTER PLATING
- INTERPRET DIM AND TOL PER ASME Y14.5M-2009

USED ON MODEL

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
3	16-0144	-69 CH'D TOLERANCES WAS .005 IS .010, WAS .01 IS .03.	9/8/2016	DPD	SM



NOTE:  
USE PDF.



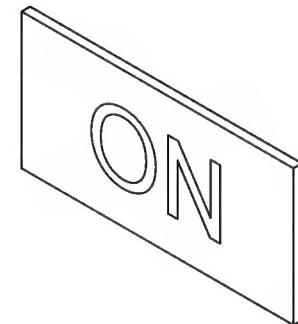
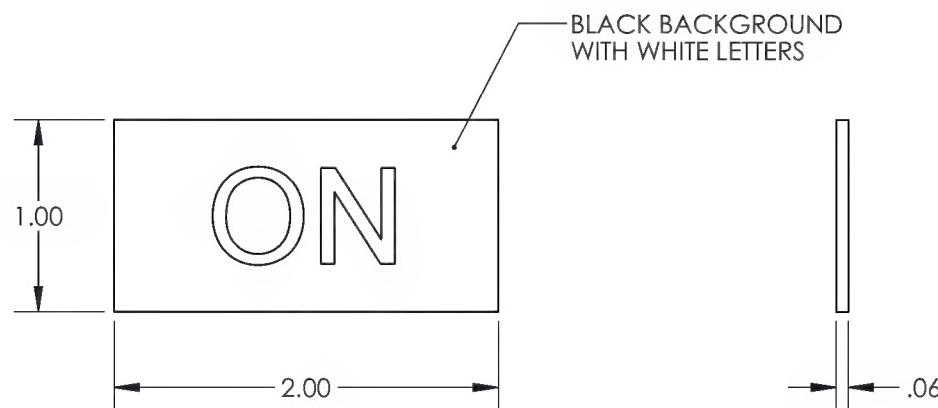
TITLE		3000 WASH SYSTEM
DWG NO.		HT-3000-CW-69
REV		3
MATERIAL		PLASTIC
HEAT		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TREAT		.XXX ± .010 FRACTIONS ± 1/8
FINISH		.XX ± .03 ANGLES ± 1°
SPEC		X ± .1 SURFACES = 125 ✓
DRAWN BY:		DUERFELDT
CHECKED:		CLOUGH
OPPS APPR:		ANDERSON
QA APPR:		LINDSAY
APPROVED:		MACKOVJAK
SCALE	1:1	DATE 10/23/2015
SHEET 39 OF 53		

(-69)

PLACARD OFF

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
3	16-0144	-71 CH'D TOLERANCES WAS .005 IS .010, WAS .01 IS .03.	9/8/2016	DPD	SM



NOTE:  
USE PDF.

<b>DART</b> AEROSPACE	
TITLE	
3000 WASH SYSTEM	
DWG NO.	HT-3000-CW-71
REV	3
MATERIAL PLASTIC	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
HEAT	.XXX ± .010 FRACTIONS ± 1/8
TREAT	.XX ± .03 ANGLES ± 1°
FINISH	X ± .1 SURFACES = 125 ✓
SPEC	
DRAWN BY:	DUERFELDT
CHECKED:	CLOUGH
OPPS APPR:	ANDERSON
QA APPR:	LINDSAY
APPROVED:	MACKOVJAK
USED ON MODEL	
SCALE	1:1
DATE	10/23/2015
SHEET 40 OF 53	

(71)

PLACARD ON

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
3	16-0144	-73 CH'D TOLERANCES WAS .005 IS .010, WAS .01 IS .03.	9/8/2016	DPD	SM



BLACK BACKGROUND  
WITH WHITE LETTERS

NOTE:  
USE PDF.

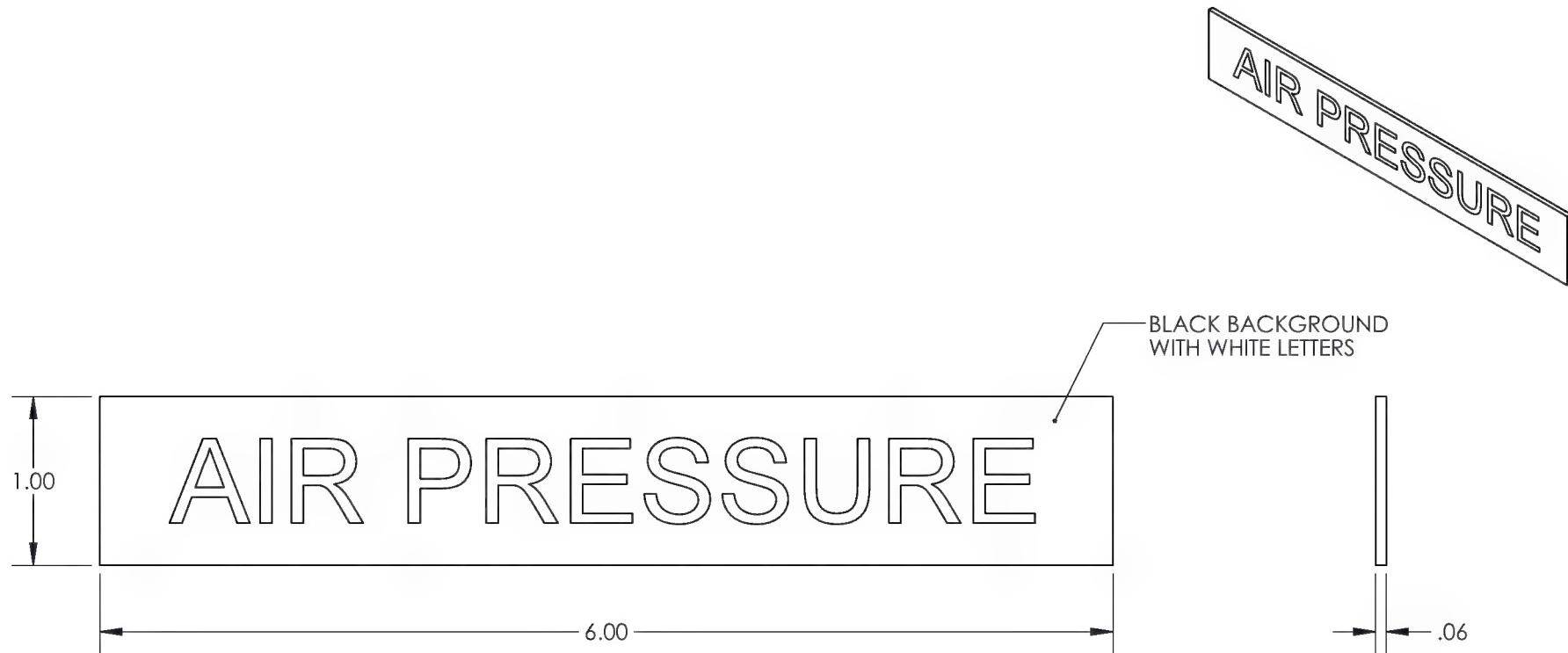
<b>DART</b> AEROSPACE	
TITLE	
3000 WASH SYSTEM	
DWG NO.	
HT-3000-CW-73	
REV	3
MATERIAL PLASTIC	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
HEAT	.XXX ± .010 FRACTIONS ± 1/8
TREAT	.XX ± .03 ANGLES ± 1°
FINISH	X ± .1 SURFACES = 125 ✓
SPEC	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
DRAWN BY:	DUERFELDT
CHECKED:	CLOUGH
OPPS APPR:	ANDERSON
QA APPR:	LINDSAY
APPROVED:	MACKOVJAK
USED ON MODEL	
SCALE	1:1
DATE	10/23/2015
SHEET	41 OF 53

(-73)

PLACARD AGITATION

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
3	16-0144	-75 CH'D TOLERANCES WAS .005 IS .010, WAS .01 IS .03.	9/8/2016	DPD	SM



NOTE:  
USE PDF.

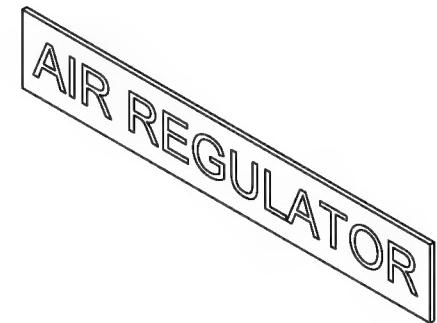
<b>DART</b> AEROSPACE	
TITLE	
3000 WASH SYSTEM	
DWG NO.	HT-3000-CW-75
REV	3
MATERIAL PLASTIC	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
HEAT	.XXX ± .010 FRACTIONS ± 1/8
TREAT	.XX ± .03 ANGLES ± 1°
FINISH	X ± .1 SURFACES = 125 ✓
SPEC	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
DRAWN BY:	DUERFELDT
CHECKED:	CLOUGH
OPPS APPR:	ANDERSON
QA APPR:	LINDSAY
APPROVED:	MACKOVJAK
USED ON MODEL	
SCALE	1:1
DATE	10/23/2015
SHEET	42 OF 53

(75)

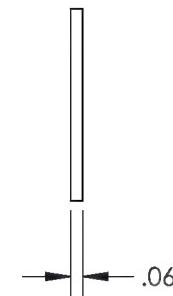
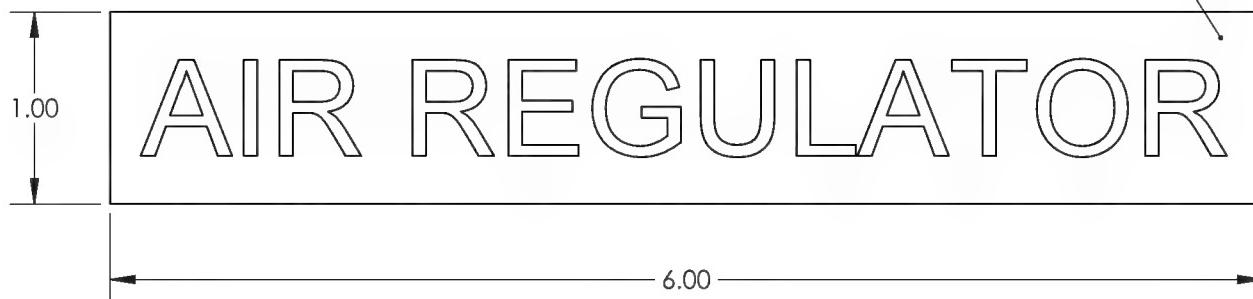
PLACARD AIR PRESSURE

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
3	16-0144	-77 CH'D TOLERANCES WAS .005 IS .010, WAS .01 IS .03.	9/8/2016	DPD	SM



BLACK BACKGROUND  
WITH WHITE LETTERS



NOTE:  
USE PDF.

<b>DART</b> AEROSPACE	
TITLE	
3000 WASH SYSTEM	
DWG NO.	HT-3000-CW-77
REV	3
MATERIAL PLASTIC	
HEAT TREAT FINISH	
SPEC	
DRAWN BY: DUERFELDT	
CHECKED: CLOUGH	
OPPS APPR: ANDERSON	
QA APPR: LINDSAY	
APPROVED: MACKOVJAK	
SCALE	1:1
DATE	10/23/2015
SHEET 43 OF 53	

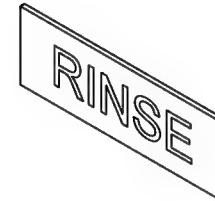
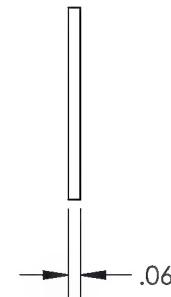
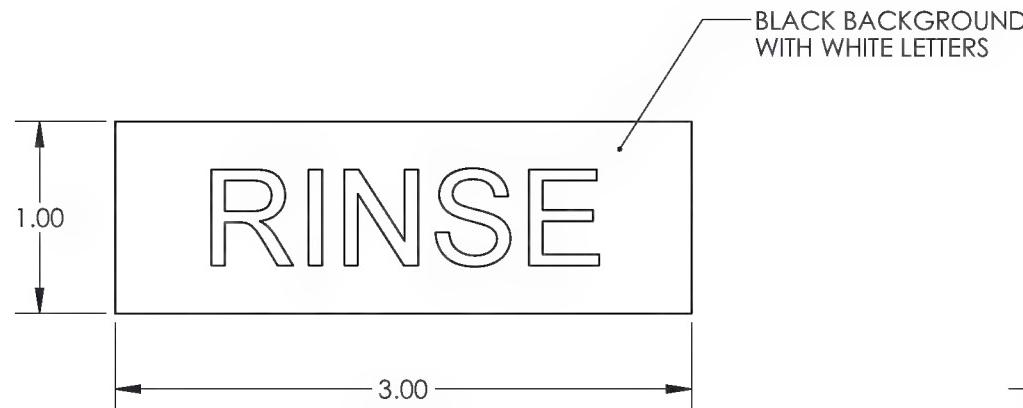
UNLESS OTHERWISE SPECIFIED  
DIMENSIONS ARE IN INCHES  
.XXX ± .010 FRACTIONS ± 1/8  
.XX ± .03 ANGLES ± 1°  
X ± .1 SURFACES = 125 ✓  
1. BREAK ALL SHARP EDGES  
.015 x 45° OR .015R  
2. DIMENSIONAL LIMITS APPLY  
AFTER PLATING  
3. INTERPRET DIM AND TOL PER  
ASME Y14.5M-2009  
USED ON MODEL

(-77)

PLACARD AIR REGULATOR

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
3	16-0144	-79 CH'D TOLERANCES WAS .005 IS .010, WAS .01 IS .03.	9/8/2016	DPD	SM



NOTE:  
USE PDF.

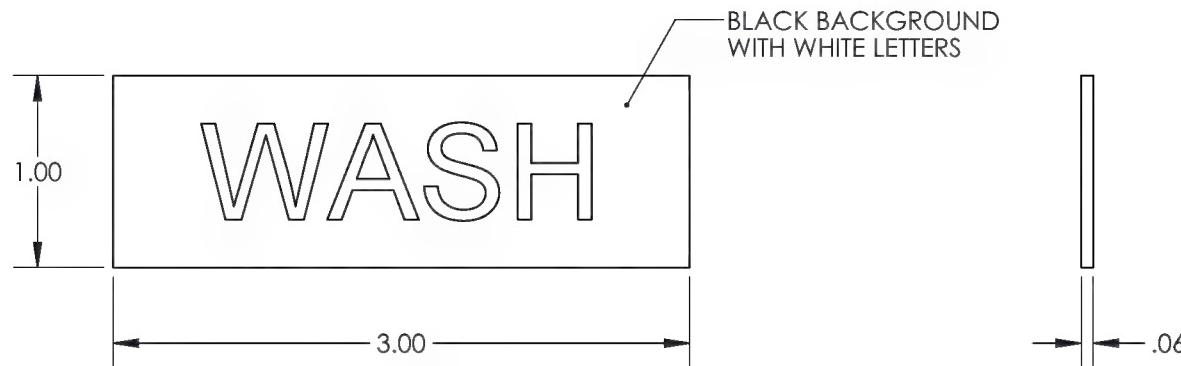
<b>DART</b> <b>AEROSPACE</b>	
TITLE	
3000 WASH SYSTEM	
DWG NO.	HT-3000-CW-79
REV	3
MATERIAL PLASTIC	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
HEAT	.XXX ± .010 FRACTIONS ± 1/8
TREAT	.XX ± .03 ANGLES ± 1°
FINISH	X ± .1 SURFACES = 125 ✓
SPEC	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
DRAWN BY:	DUERFELDT
CHECKED:	CLOUGH
OPPS APPR:	ANDERSON
QA APPR:	LINDSAY
APPROVED:	MACKOVJAK
USED ON MODEL	
SCALE	1:1
DATE	10/23/2015
SHEET	44 OF 53

(-79)

PLACARD RINSE

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
3	16-0144	-81 CH'D TOLERANCES WAS .005 IS .010, WAS .01 IS .03.	9/8/2016	DPD	SM



NOTE:  
USE PDF.



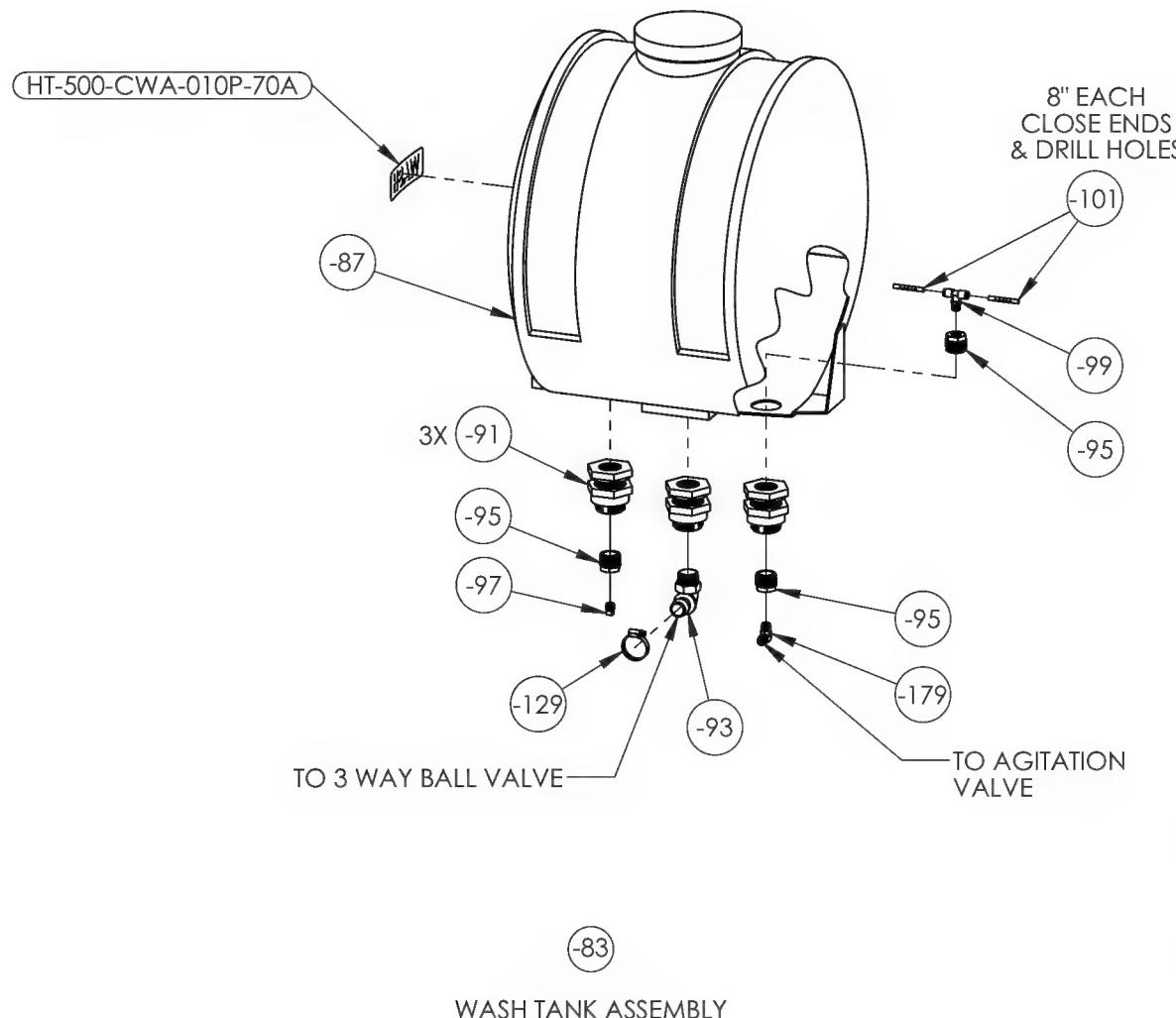
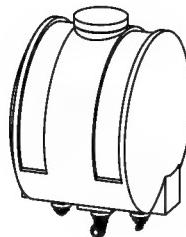
TITLE		3000 WASH SYSTEM
DWG NO.		HT-3000-CW-81
REV		3
MATERIAL		PLASTIC
HEAT		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TREAT		.XXX ± .010 FRACTIONS ± 1/8
FINISH		.XX ± .03 ANGLES ± 1°
SPEC		X ± .1 SURFACES = 125 ✓
DRAWN BY:		DUERFELDT
CHECKED:		CLOUGH
OPPS APPR:		ANDERSON
QA APPR:		LINDSAY
APPROVED:		GILBERT
SCALE	1:1	DATE 10/23/2015
SHEET 45 OF 53		

(-81)

PLACARD WASH

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REVISIONS					
REV	ECR		DESCRIPTION	DATE	INITIAL
3	16-0144	-83	CH'D LENGTH OF HOSE WAS 2FT EACH IS 8" EACH. ADDED CLOSE ENDS & DRILL HOLES NOTE. CH'D TOLERANCES WAS .005 IS .010, WAS .01 IS .03.	9/8/2016	DPD SM



<b>DART</b> AEROSPACE	
TITLE	
3000 WASH SYSTEM	
DWG NO.	HT-3000-CW-83
REV	3
MAT'L	
HEAT	
TREAT	
FINISH	
SPEC	
DRAWN BY: DUERFELDT	
CHECKED: CLOUGH	
OPPS APPR: ANDERSON	
QA APPR: LINDSAY	
APPROVED: MACKOVJAK	
SCALE	1:12
DATE	10/27/2015
SHEET 46 OF 53	

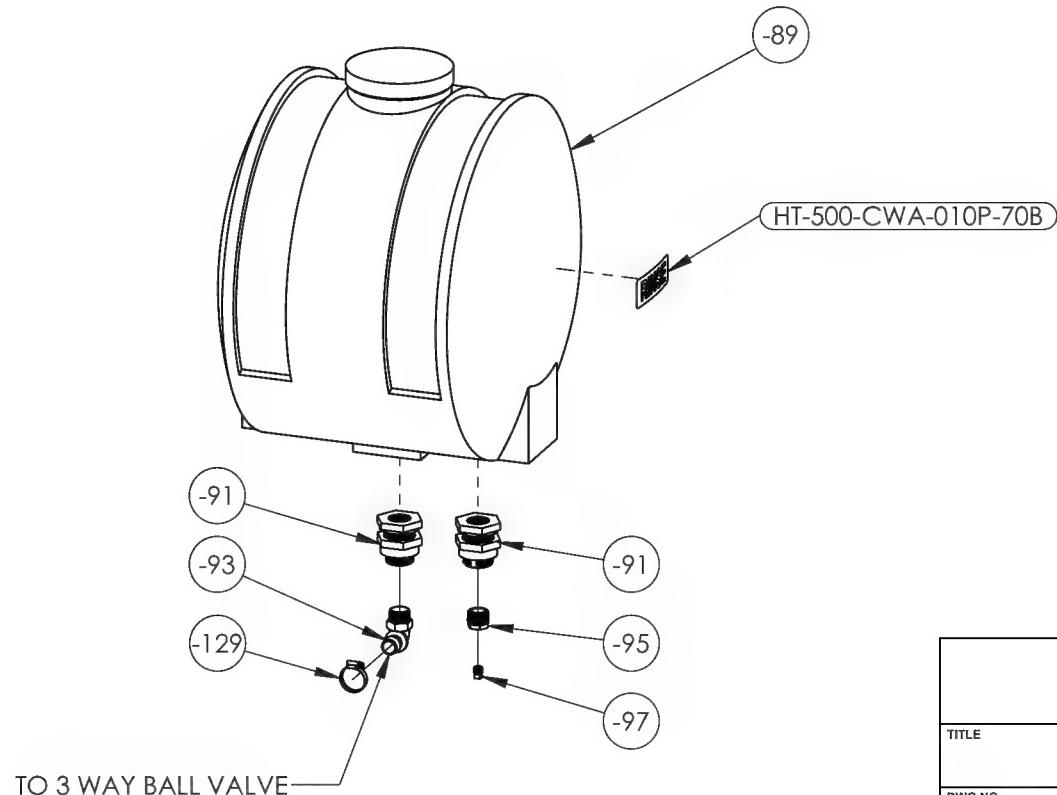
UNLESS OTHERWISE SPECIFIED  
DIMENSIONS ARE IN INCHES  
.XXX ± .010 FRACTIONS ± 1/8  
.XX ± .03 ANGLES ± 1°  
X ± .1 SURFACES = 125 ✓

1. BREAK ALL SHARP EDGES  
.015 x 45° OR .015R  
2. DIMENSIONAL LIMITS APPLY AFTER PLATING  
3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009

USED ON MODEL

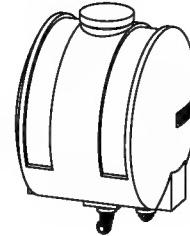
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REV	ECR	REVISIONS	DESCRIPTION	DATE	INITIAL	APPROVED
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RINSE TANK ASSEMBLY

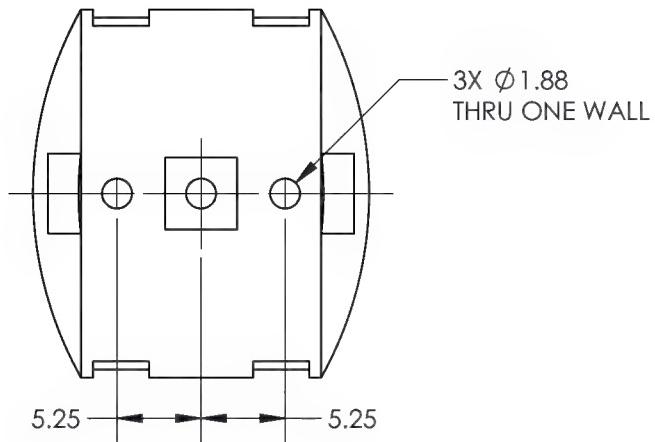
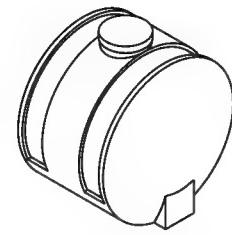
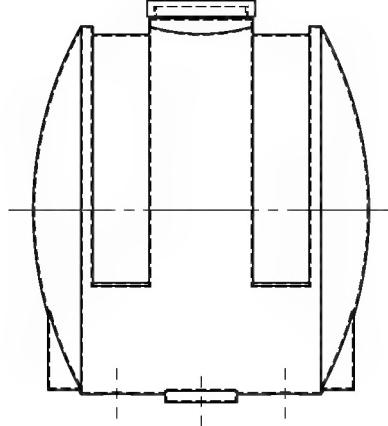
(-85)



DART AEROSPACE	
TITLE	
3000 WASH SYSTEM	
DWG NO.	HT-3000-CW-85
REV	3
MAT'L	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
HEAT	.XXX ± .005 FRACTIONS ± 1/8
TREAT	.XX ± .01 ANGLES ± 5°
FINISH	X ± .1 SURFACES = 125 ✓
SPEC	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
DRAWN BY:	DUERFELDT
CHECKED:	CLOUGH
OPPS APPR:	ANDERSON
QA APPR:	LINDSAY
APPROVED:	MACKOVJAK
USED ON MODEL	
SCALE	1:12
DATE	10/26/2015
SHEET 47 OF 53	

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REV		ECR		DESCRIPTION		DATE	INITIAL	APPROVED



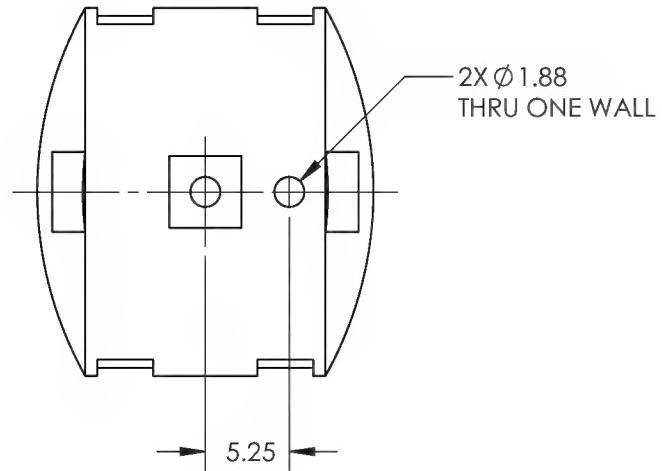
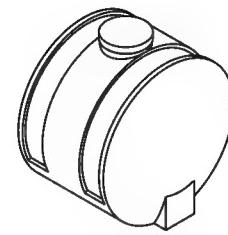
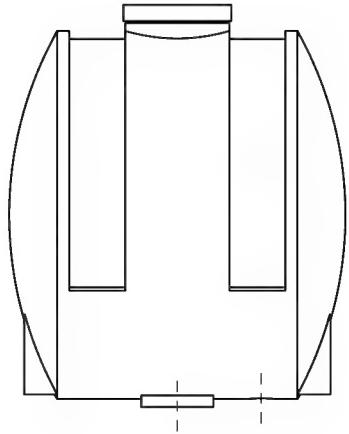
-87

30 GALLON TANK

<b>DART</b> AEROSPACE	
TITLE	
3000 WASH SYSTEM	
DWG NO.	HT-3000-CW-87
REV	3
MATERIAL PLASTIC	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
HEAT	.XXX ± .010 FRACTIONS ± 1/8
TREAT	.XX ± .03 ANGLES ± 1°
FINISH	X ± .1 SURFACES = 125 ✓
SPEC	
DRAWN BY:	DUERFELDT
CHECKED:	CLOUGH
OPPS APPR:	ANDERSON
QA APPR:	LINDSAY
APPROVED:	MACKOVJAK
USED ON MODEL	
SCALE	1:12
DATE	10/26/2015
SHEET 48 OF 53	

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REV	ECR	REVISIONS	DESCRIPTION	DATE	INITIAL	APPROVED
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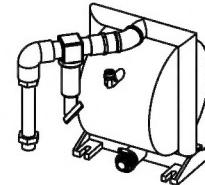
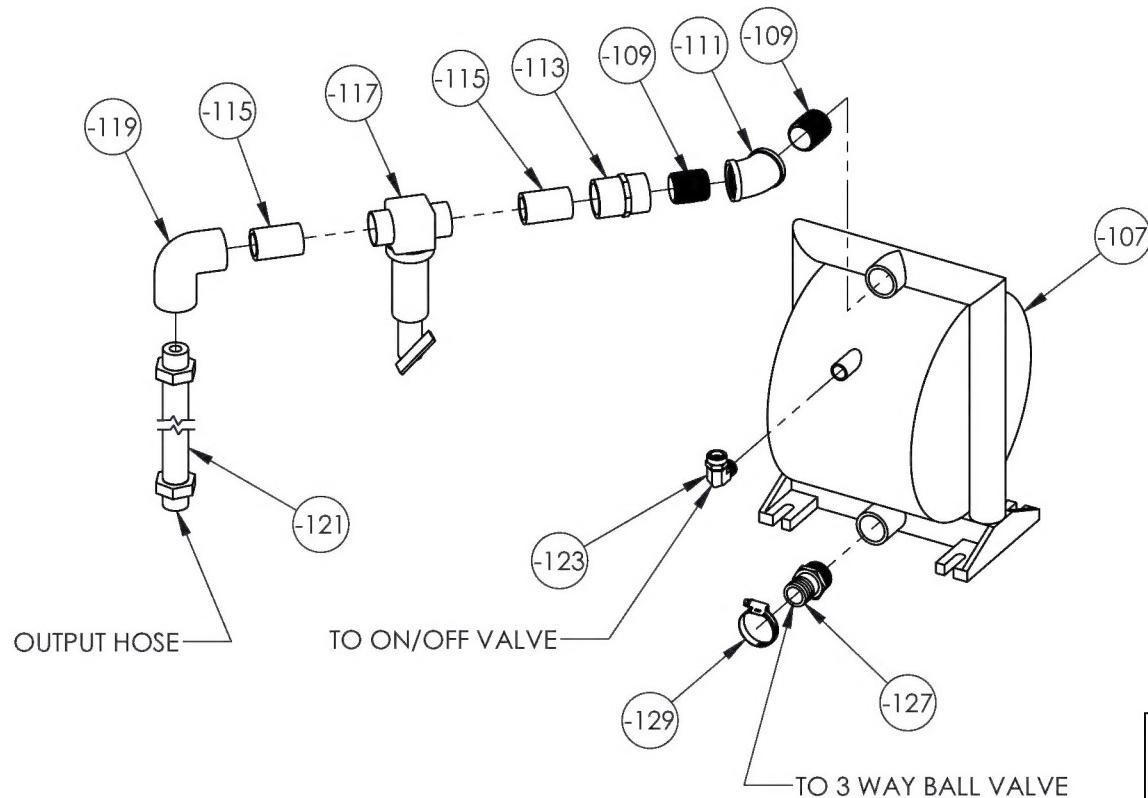
-89

30 GALLON TANK

DART AEROSPACE	
TITLE	
3000 WASH SYSTEM	
DWG NO.	HT-3000-CW-89
REV	3
MATERIAL PLASTIC	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
HEAT	.XXX ± .010 FRACTIONS ± 1/8
TREAT	.XX ± .03 ANGLES ± 1°
FINISH	X ± .1 SURFACES = 125 ✓
SPEC	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
DRAWN BY:	DUERFELDT
CHECKED:	CLOUGH
OPPS APPR:	ANDERSON
QA APPR:	LINDSAY
APPROVED:	MACKOVJAK
USED ON MODEL	
SCALE	1:12
DATE	10/26/2015
SHEET	49 OF 53

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REVIEWS			DESCRIPTION			DATE	INITIAL	APPROVED
REV	ECR							
3	16-0144	-105 REMOVED -125.				9/8/2016	DPD	SM



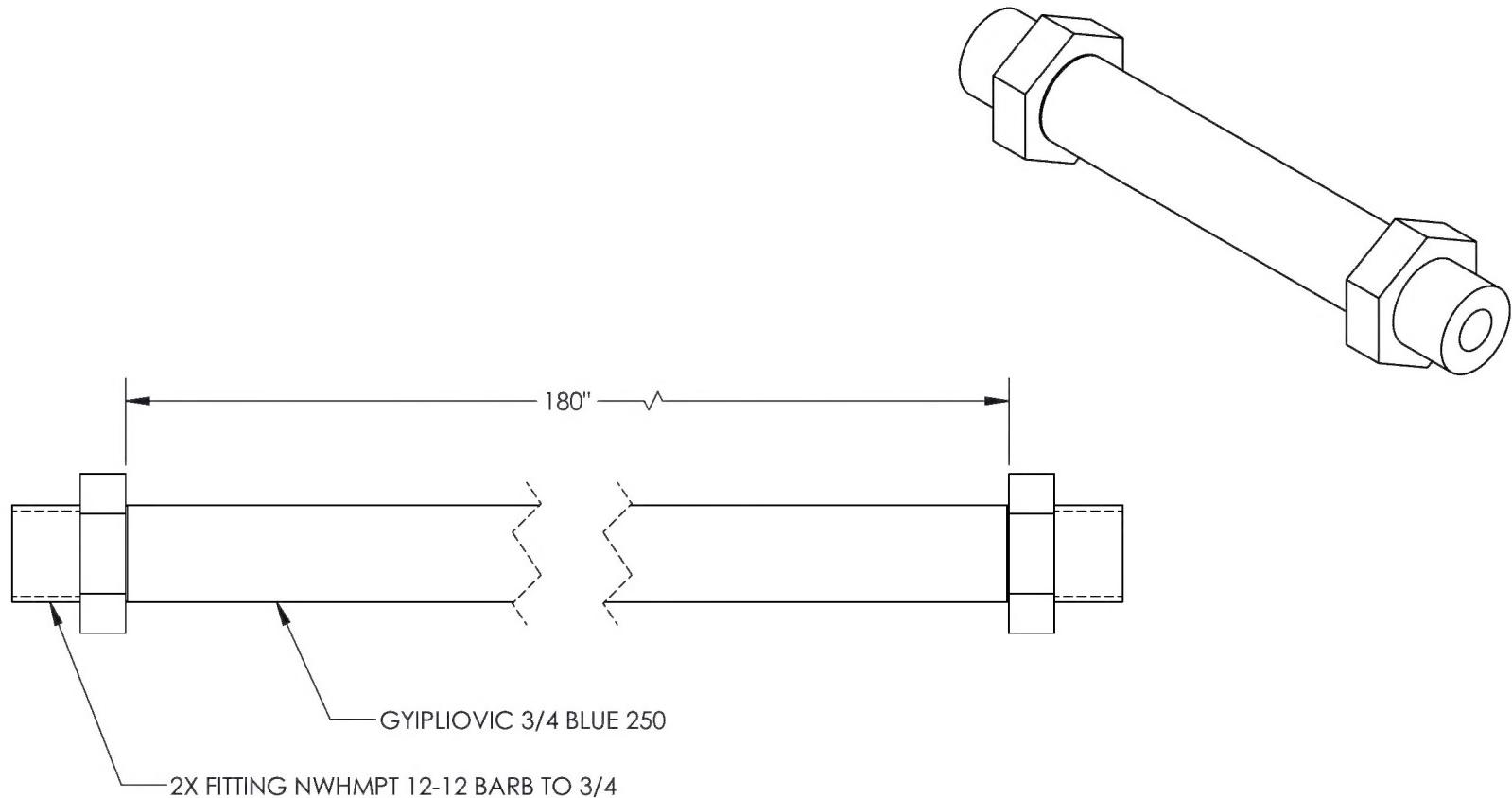
PUMP ASSEMBLY

-105

<b>DART</b> AEROSPACE	
TITLE	
3000 WASH SYSTEM	
DWG NO.	
HT-3000-CW-105	
REV	3
MAT'L	
HEAT	
TREAT	
FINISH	
SPEC	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
.XXX ± .005 FRACTIONS ± 1/8	
.XX ± .01 ANGLES ± 5°	
X ± .1 SURFACES = 125 ✓	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
DRAWN BY: DUERFELDT	
CHECKED: CLOUGH	
OPPS APPR: ANDERSON	
QA APPR: LINDSAY	
APPROVED: MACKOVJAK	
USED ON MODEL	
SCALE	1:8
DATE	10/26/2015
SHEET	50 OF 53

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REVISIONS							
REV	ECR	DESCRIPTION			DATE	INITIAL	APPROVED
3	16-0144	-121	ADDED DRAWING.		9/8/2016	DPD	SM



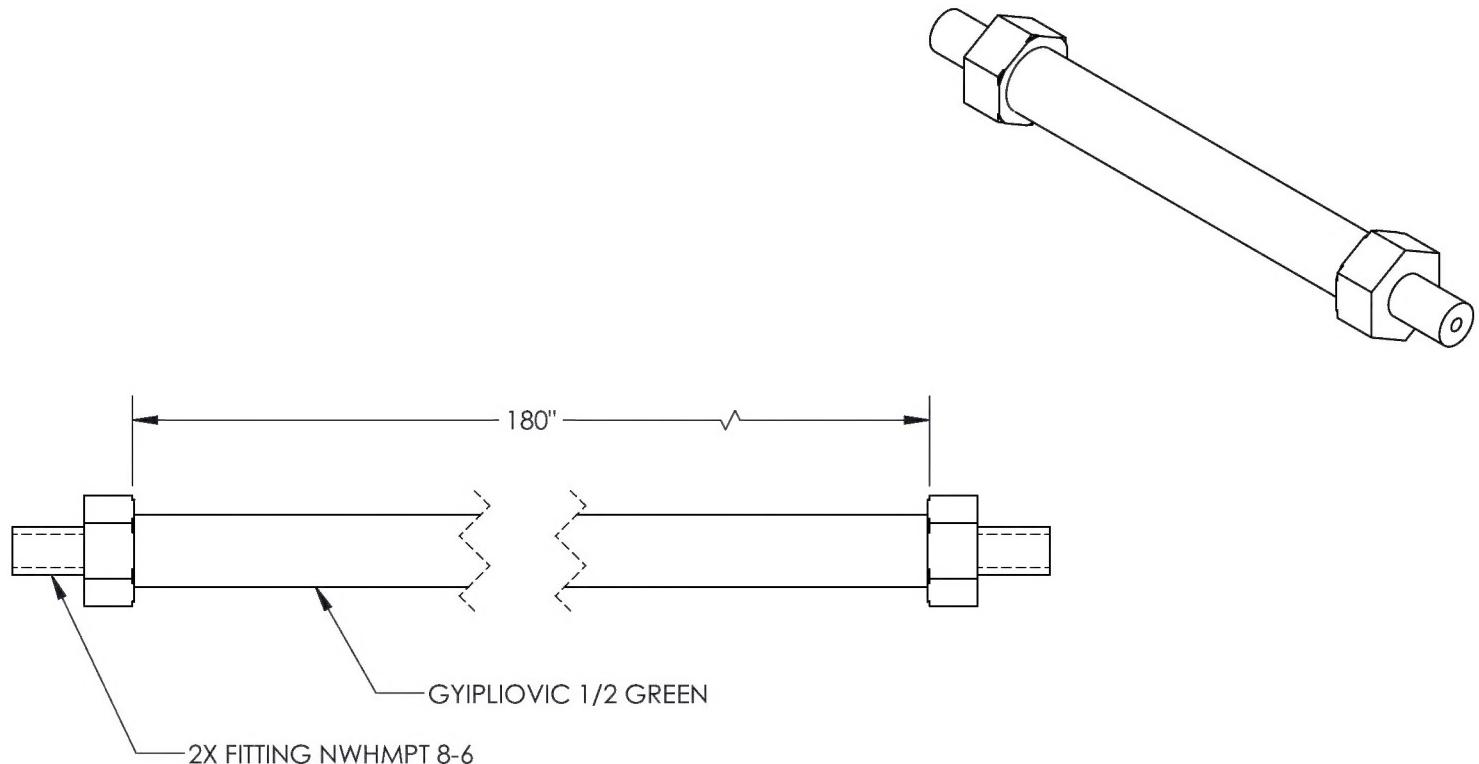
-121

BLUE HOSE

<b>DART</b> AEROSPACE	
TITLE	
2000 WASH TRAILER	
DWG NO.	
HT-2000-121	
REV	3
MATERIAL PVC	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
HEAT	.XXX ± .010 FRACTIONS ± 1/8
TREAT	.XX ± .03 ANGLES ± 1°
FINISH	X ± .1 SURFACES = 125 ✓
SPEC	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
DRAWN BY:	DUERFELDT
CHECKED:	
OPPS APPR:	
QA APPR:	USED ON MODEL
APPROVED:	
SCALE	1:2
DATE	10/30/2014
SHEET 51 OF 53	

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
3	16-0144	-191 ADDED DRAWING.	9/8/2016	DPD	SM



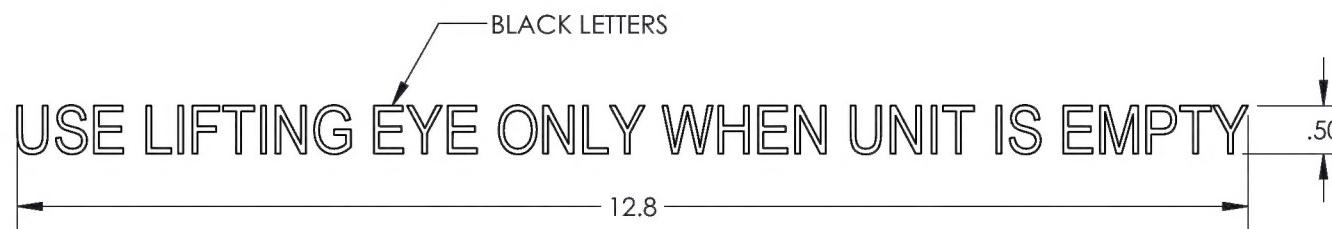
-191

GREEN HOSE

<b>DART</b> AEROSPACE	
TITLE	
2000 WASH TRAILER	
DWG NO.	
HT-2000-191	
REV 3	
MATERIAL PVC	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
HEAT	.XXX ± .010 FRACTIONS ± 1/8
TREAT	.XX ± .03 ANGLES ± 1°
FINISH	X ± .1 SURFACES = 125 ✓
SPEC	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
DRAWN BY:	DUERFELDT
CHECKED:	
OPPS APPR:	
QA APPR:	USED ON MODEL
APPROVED:	
SCALE	1:2
DATE	10/30/2014
SHEET 52 OF 53	

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
3	16-0144	-203 CH'D TOLERANCES WAS .005 IS .010, WAS .01 IS .03.	9/8/2016	DPD	SM



-203

DECAL

<b>DART</b> AEROSPACE	
TITLE	
3000 WASH SYSTEM	
DWG NO.	HT-3000-CW-203
REV	3
MATERIAL VINYL	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
HEAT .XXX ± .010 FRACTIONS ± 1/8	
TREAT .XX ± .03 ANGLES ± 1°	
FINISH X ± .1 SURFACES = 125 ✓	
SPEC	
DRAWN BY: DUERFELDT	
CHECKED: CLOUGH	
OPPS APPR: ANDERSON	
QA APPR: LINDSAY	
APPROVED: MACKOVJAK	
SCALE	1:2
DATE	10/23/2015
SHEET 53 OF 53	